

THIRD YEAR ANNUAL REPORT

INTERSTATE POLLUTION CONTROL/ROTO-ROOTER SUPERFUND SITE
Winnebago County
Rockford, Illinois

Prepared for:

Interstate Pollution Control/Roto-Rooter Superfund Site Remedial Design/Remedial
Action Steering Committee

Prepared by:

Environmental Information Logistics, LLC
446 S. Hawthorne Avenue
Elmhurst, IL 60126



September 21, 2010

TABLE OF CONTENTS

<u>1.0 INTRODUCTION</u>	1
1.1 <u>SITE DESCRIPTION AND BACKGROUND</u>	1
1.1.1 <i>Site Description</i>	1
1.1.2 <i>Constituents of Concern (COCs)</i>	2
1.1.3 <i>Extent of Groundwater Impacts</i>	3
1.1.4 <i>Remediation</i>	5
1.2 <u>STATISTICAL ANALYSIS PLAN</u>	7
1.3 <u>THIRD YEAR ANNUAL REPORT OVERVIEW</u>	7
<u>2.0 EVALUATION OF SITE GROUNDWATER QUALITY</u>	8
2.1 <u>SITE GROUNDWATER MONITORING NETWORK</u>	8
2.2 <u>RIVER WELLS</u>	8
2.3 <u>RESULTS OF ONGOING NATURAL ATTENUATION GROUNDWATER MONITORING</u>	8
2.3.1 <i>Upgradient Site Groundwater Quality</i>	9
2.3.2 <i>Downgradient Site Groundwater Quality</i>	10
2.3.3 <i>Downgradient River Well Groundwater Quality</i>	10
<u>3.0 ALTERNATIVE SOURCE DEMONSTRATION FOR COCS DETECTED IN SITE MONITORING WELLS MW1 AND MW4</u>	11
3.1 <u>SOURCES OF NATURALLY OCCURRING DISSOLVED METHANE</u>	11
3.2 <u>OFF-SITE SOURCES OF DISSOLVED METHANE</u>	11
<u>4.0 SUMMARY AND CONCLUSIONS</u>	14

List of Attachments

Attachment 1	Site Location and Detail Maps
Attachment 2	Figure Showing the Locations of the Long-Term Natural Attenuation Monitoring Wells
Attachment 3	Laboratory Data Reports
Attachment 4	Data Summary Table
Attachment 5	COC Concentration Time Trends
Attachment 6	Data Validation Summaries
Attachment 7	Total VOC Load Concentration Time Trends
Attachment 8	Total VOC Load Trends (1,1,1-TCA plus TCE only)

1.0 INTRODUCTION

This Third Year Annual Report (“report”) was prepared by Environmental Information Logistics, LLC (EIL) on behalf of the Interstate Pollution Control/Roto-Rooter (“IPC”) Superfund Site Remedial Design/Remedial Action Steering Committee. This report discusses the results of long-term natural attenuation monitoring through the second quarter (June) 2010 sampling event, and satisfies the requirements of the IEPA-approved Groundwater Monitoring Work Plan (“GWMP”), dated March 1, 2006, and IEPA-approved First Year Annual Report/Technical Memorandum (“Tech Memo”), dated August 28, 2008, and the Consent Decree (with Appendix B – Statement of Work (SOW)) with the State of Illinois, dated March 1, 2006.

Section 6.0 of the IEPA-approved GWMP states the following:

“Annual reports will be prepared and submitted to the IEPA within 45 days of completing each second semi-annual groundwater sampling event (except in years 1, 5, 10, 15, etc., as discussed above and below). Each of the annual reports will include a summary of groundwater data collected during the past year and will include an evaluation, based on the IEPA-approved statistical methodology, of the source of any statistically significant changes to groundwater quality. Where appropriate, the annual report may also recommend changes to the statistical methodology for future monitoring events.”

This report includes a summary of groundwater quality collected to date during natural attenuation monitoring and a comparison of the results to calculated background groundwater quality standards. This report also includes an alternative source demonstration (ASD) to address the presence of two COCs in downgradient monitoring well MW4 and one COC in downgradient monitoring well MW1.

1.1 Site Description and Background

1.1.1 Site Description

The Interstate Pollution Control Inc. (IPC) site (“the site”) is located in an industrial area in the south central part of Rockford, Winnebago County, Illinois north west of Magnolia Peoples Avenue, as shown on the figure included in Attachment 1. The small (approximately 2.8 acre), irregularly-shaped site measures approximately 850 feet long along the north boundary line and 270 feet along the east boundary line.

During IPC’s operation of the site it contained, at various times, at least six underground storage tanks, one large above-ground storage tank, an unlined surface impoundment, a gas fired incinerator, and several structures. IPC’s operation at the site included transporting and bulking of waste oils, solvents and cyanide waste for incineration, resale and/or off-site disposal. Also during IPC’s operation of the site, support service was provided to two sister companies; a portable toilet business and a Roto-Rooter franchise. Prior to IPC’s operations, the site was extensively quarried and backfilled with various materials including a large quantity of foundry

sand. Following filling of the quarry and immediately prior to IPC's operations, the site was the location of an auto salvage yard.

In 1991, private parties negotiated a Partial Consent Decree with the Illinois EPA and the Attorney General of the State of Illinois. The Partial Consent Decree required that the private parties ("Respondents") undertake a Remedial Investigation/Feasibility Study ("RI/FS") at the site. The RI Work Plan was completed in 1992, and the field investigations were conducted in 1993-1994. The final RI Report was submitted in 1997.

Significant removal actions have occurred at the IPC site on two different occasions. The incinerator was removed between 1976 and 1979. IPC conducted partial cleanup of the site in 1979 and 1980, in response to an Illinois Pollution Control Board Order. During this partial cleanup of the site, several bulk tankers containing wastes, approximately 180 yds³ of material from the surface impoundment, and approximately 120 yd³ of cyanide-contaminated soils were removed. Reportedly, 1,200 drums of contaminated materials were also removed from the site during this cleanup. The surface impoundment was backfilled and graded.

On August 6, 1991, the U.S. EPA issued a Unilateral Administrative Order ("UAO") to IPC and the Respondents to conduct additional removal activities at the site. Beginning in 1992, the Respondents to the UAO fenced the site, removed over 1,400 tons of solid and hazardous waste (including visibly stained soils), demolished and removed all above-ground and underground tanks and significant structures, installed a clay cover over the former impoundments, and substantially cleared the site.

These removal actions eliminated more than 2.9 million pounds of solid and hazardous waste. These materials constituted principal threats at the site and were removed, treated, destroyed or disposed of prior to the initiation of the RI/FS.

1.1.2 Constituents of Concern (COCs)

A total of 73 chemicals of potential concern ("COPCs") were identified originally in the RI based on previous detections in site soils and were selected for risk assessment. These included 11 volatile organic compounds ("VOCs"), 29 semi-volatile organic compounds ("SVOCs"), 14 pesticide/PCB compounds, 18 trace metals, and cyanide. In addition, a total of 33 chemicals previously detected in on-site groundwater were selected as COPCs. These included 11 VOCs, 10 SVOCs, one pesticide/PCB compound, 11 trace metals, and cyanide. A significantly reduced number of these COPCs were found to be risk drivers, as summarized in the *"Risk Driving Chemicals of Potential Concern"* table from Section V of the ROD.

Based on the previously discussed contaminant removal activities and the installation of the engineered barrier, and as stated in Section 2.4 of the SOW, *"VOCs are the sole constituents of concern"* with respect to long term natural attenuation groundwater monitoring at the site. Section 2.4 of the SOW specifies that *"...groundwater will be sampled for TCL VOC's only."* during long term natural attenuation monitoring. In addition, paragraph XII of the Record of Decision (ROD) states *"If during each Five Year Review cycle spastically [sic] significant decreases in on-site and down gradient concentrations of trichloroethene and 1,1,1-*

trichloroethane in shallow groundwater are not verified (which cannot be attributed to upgradient sources), the SVE design pilot test will be implemented.”

Seven VOCs were detected in site monitoring wells during the background data collection period and as reported in the August 28, 2008 First Year Annual Report/Technical Memorandum. These are:

- 1,1,1-trichloroethane
- 1,1-dichloroethane
- 1,1-dichloroethene
- cis-1,2-dichloroethene
- tetrachloroethene
- trichloroethane
- vinyl chloride

However, only four VOCs were proposed originally as site-specific COCs for long-term groundwater quality evaluation. Three VOCs, 1,1-dichloroethane, vinyl chloride, and cis-1,2-dichloroethene, were specifically not proposed as COCs because they were generally detected at elevated concentrations in downgradient monitoring wells and because there was (is) strong evidence to suggest that the downgradient concentrations were (are) biased due to an off-site source (i.e., landfill gas from the adjacent Peoples Avenue Landfill). However, IEPA's approval of the August 28, 2008 First Year Annual Report/Technical Memorandum was conditional based on the inclusion of all seven VOCs as COCs. Therefore, all seven of the VOCs detected during background data collection and as listed above are evaluated herein as COCs.

1.1.3 Extent of Groundwater Impacts

Remedial investigation activities were conducted at the site to evaluate the nature and extent of contamination, and to assess environmental impacts. Detailed results are provided in the *Final Remedial Investigation Report, Interstate Pollution Control Inc. Site, Rockford, Illinois* (Golder Associates Inc., December 1997). In general, site groundwater was found to be impacted with numerous organic and inorganic constituents from a combination of past site activities and from a number of upgradient sources. Some of the upgradient sources are being addressed under various regulatory actions and it appears that some are not. In addition, landfill gas from the adjacent Peoples Avenue Landfill was detected on-site and identified as another possible source of VOCs in groundwater.

The site is located adjacent to the much larger Southeast Rockford Groundwater Contamination (“SER”) site. The SER site began with the discovery of VOCs in groundwater within a residential area of nearly two square miles. The discovery prompted the USEPA to ultimately extend water mains and connect 526 residences to City water at a cost of approximately \$4 million. The SER site was then added to the National Priorities List (“NPL”). After further IEPA study, the SER site was expanded to a ten square mile study area (“SER Study Area”) that incorporates almost 20 percent of the City and includes the IPC site. Studies have since indicated the widespread presence of chlorinated solvents in groundwater within this ten square mile area, in concentrations varying from less than 10 ppb to over 10,000 ppb.

The SER ROD defines the boundary of the SER Site by the 10 ppb chlorinated VOC plume that extended to approximately 1,200 feet southeast of the IPC site at its closest point (as of 1993). It is reasonable to expect that parts of this plume have expanded to the extent that it now affects groundwater beneath the IPC site.

As discussed in the 1999 site ROD, there are/were also a number of other known groundwater contaminant sources located near the IPC site. For example, the former Mattison Machine Works is located approximately 1,000 feet to the northeast (i.e., upgradient). Previous studies at Mattison Machine Works dating back to 1993 indicate that a plume containing PCE (up to 10,600 ug/L), TCE (up to 1,500 ug/L), and 1,1,1-TCA (up to 800 ug/L) is/was passing under that facility. These concentrations are much higher than are in groundwater at IPC. In addition, the Peoples Avenue Landfill, located immediately southeast of IPC, was previously identified as the likely source of groundwater contamination that contributed to the deterioration of groundwater quality in one of the City of Rockford's public supply wells (Municipal Well No. 14), ultimately resulting in the abandonment of the supply well in 1971, prior to operations at IPC. The Peoples Avenue Landfill is also a known source of landfill gas (including methane) migration that previously entered the basement of the former Quaker Oats pet food manufacturing plant, located just southwest of the IPC site. And, as reported previously, there is evidence to suggest that landfill gas has impacted site monitoring well MW-4.

While remedial actions associated with some of the known sources within the SER Study Area are presently on-going, the IEPA and U.S. EPA have not specifically addressed some of the known groundwater contamination sources near to and upgradient of the IPC site. As indicated in the RI report and in the ROD, some of these sources contain elevated concentrations of VOCs, some of which are/were higher than those measured on-site.

As noted in the ROD,

"One of the most notable outcomes of the groundwater portion of the [RI] investigation was verification that a plume of chlorinated volatile organic compounds, at substantially higher concentrations than occur on site is approaching the site from the north east. The plume is expected to reach the IPC site in 15 to 45 years."

This is significant because, given that the RI data collection activities were completed by 1994, the "plume" would have possibly reached the site as early as 2009, resulting in degradation of site groundwater quality that is completely unrelated to the performance of the selected remedy and which could be attributed mistakenly to the site. As such, the interpretation of the results of long term natural attenuation monitoring must take into account the potential for groundwater quality degradation due to off-site sources. This approach reduces the possibility of incorrectly concluding that the selected remedy is insufficient and that the remedy must be supplemented with soil vapor extraction.

In fact, and as discussed in the First Year Annual Report/Technical Memorandum and the Second Year Annual Report, an upgradient plume appears to have arrived at the site. While the source of the plume is unknown, it is likely that it is the same one previously reported under the Mattison Machine Works property, and it is possible that the SER Site plume has also expanded

to the extent that it now affects groundwater quality at the IPC site. Regardless of the source, it is reasonable to expect that the plume will continue to migrate through the site until such time that the upgradient sources are either removed or isolated, eventually affecting the three downgradient site monitoring wells, and ultimately the two river wells. As such, there will likely be further groundwater quality degradation in the site monitoring wells and possible new groundwater quality degradation in the river wells that is completely unrelated to the site and to the performance of the selected remedy.

Therefore, the statistical analysis plan was developed such that it allowed for recalculation of background standards (as appropriate) and/or adjustment of the evaluation protocol in order to reduce the likelihood of false positive statistical failure related to the off-site sources. Since there is evidence to suggest that the upgradient plume has arrived, and in accordance with the IEPA-approved GWMP and the IEPA-approved First Year Annual Report/Technical Memorandum, revised calculated background standards and statistical evaluation criteria were included in the Second Year Annual Report for selected COCs. This report, therefore, includes statistical evaluations that are consistent with those originally provided in the IEPA-approved GWMP and First Year Annual Report/Technical Memorandum and as modified by the Second Year Annual Report.

1.1.4 Remediation

The IEPA selected the remedial alternative with the concurrence of the U.S. EPA and after a detailed analysis of the alternatives included in the approved Feasibility Study (FS). The selected remedial alternative addresses the principal threats by installation of an impermeable barrier over the site, placing institutional controls on future site uses, reinforcing existing city and state groundwater use restrictions, and addressing groundwater contamination resulting from the site by implementing a monitored natural attenuation program. The selected remedy also includes a soil vapor extraction component as a contingency should the IEPA conclude during the five year review periods that site and downgradient groundwater quality has not improved due to continued site releases which cannot be attributed to upgradient sources. However, the selected remedy does not take into consideration the potential affect of the numerous, known off-site impacts which now appear to be impacting site groundwater quality.

An SVE system was not included as an active part of the current remedy for a number of reasons, as discussed in the FS. First, the incremental improvement in reducing VOC migration to groundwater, and therefore in reducing risk to health and the environment, was deemed minimal following the construction of the surface barrier. Second, the treatment efficiency for an SVE system was not quantifiable given the relatively high VOC load currently on site and the on-going impacts from off-site sources. Finally, there were concerns that an SVE system would induce landfill gas migration from the Peoples Avenue Landfill that would adversely impact the operation of such a system. There were also concerns, discussed with the IEPA during the FS evaluation process, that such landfill gas migration would create a site health and safety issue related to possible explosive hazards.

Nothing has changed at the site that would alter the first criterion, above. The engineered barrier was installed and is being maintained, effectively eliminating both surface water infiltration and potential exposure to any remaining site contaminants. However, the predicted arrival of the

uncontrolled upgradient plume(s) is (are) degrading, and will likely continue to degrade, for an unknown period of time, groundwater quality beneath the engineered barrier. Groundwater quality degradation from the upgradient plume(s) can be expected to continue until the upgradient source(s) are either removed or are isolated, and there is presently no indication that there are either ongoing or planned efforts to address the uncontrolled sources. This has resulted in a situation in which the IPC Steering Committee's ability to incrementally evaluate IPC's contribution to groundwater degradation is now extremely difficult, if not impossible.

Regarding the second criterion, if there was formerly an inability to quantify the efficacy of an SVE system given the then-current contaminant loads, then the arrival of the off-site plume(s), which could effectively increase on-site contaminant load, would increase the inability to quantify the efficacy of an SVE system. For example, if an SVE system were installed and operated concurrent with the arrival of the upgradient plume, then it would be likely that the degrading effect of the plume would far outweigh the remedial effect of the SVE system.

Regarding the third criterion, the potential for an SVE system to induce off-site landfill gas migration appears to be quite real given the recent documentation showing that groundwater in MW4, located adjacent to the People's Avenue Landfill, already contains dissolved methane which is likely the result of landfill gas migration on to the site. It is reasonable to expect that if landfill gas can migrate to the site under current, passive conditions (i.e., with no SVE system), then there is a greatly increased likelihood of additional landfill gas migration under active conditions (i.e., with an active SVE system) with a corresponding potential increase in groundwater quality degradation and health and safety related issues associated with landfill gas explosive hazards.

Finally, it must be emphasized that the SVE system would be designed to reduce contaminant load in site soils and thus reduce the potential for contaminant migration from site soil to site groundwater, premised on the assumption that current groundwater impacts are generally a function of the current soil contaminant load. Given that the upgradient groundwater plume(s), which appears to have already reached the site, contains higher concentrations of some COCs than are currently in site groundwater, it is fair to expect that the upgradient source will be significantly larger and/or more heavily contaminated than what presently remains in site soil. Under these conditions the incremental improvement to site groundwater quality via the implementation of an SVE system will be immeasurable or nonexistent.

On the basis of these arguments, the IPC Steering Committee recommended previously (*River Well Statistics Technical Memorandum, June 1, 2010*), and continues to recommend, that the SVE system be excluded from further consideration as a contingent remedy.

The engineered barrier was completed in 2006. The groundwater monitoring natural attenuation program began in September 2007 and background data collection at the six site monitoring wells was completed in June 2008. The slight delay between the completion of the engineered barrier and the initiation of natural attenuation monitoring was based on the desire to complete the installation of the two river wells and to collect background data from them simultaneously with the six site monitoring wells. Unfortunately, the installation of the two river wells was delayed more than expected due to access issues beyond the control of the steering committee.

Therefore, after a period of time the IEPA requested that background data collection begin at the six site wells even though the two river wells had not been installed.

The two river wells were installed in March 2009 and background data collection was completed following the fourth quarter 2009 sampling event. The results of the river well background data collection and the calculated COC standards were provided to the IEPA on June 1, 2010. This report includes data collected through June 2010 (i.e., the fourth semiannual event at the site wells and the first semiannual event at the river wells).

1.2 Statistical Analysis Plan

The statistical evaluation plan (STEP) was included in the IEPA-approved First Year Annual Report/Technical Memorandum and was specifically designed to allow for subsequent modification to account for the anticipated influences from off-site contaminant sources and to reduce the possibility that those influences could result in statistical failures. Due the apparent arrival of the off-site plume and the continued landfill-gas influences in MW4, the STEP was modified in the Second Year Annual Report as follows:

- Intrawell background standards were recalculated for 1,1-DCA in MW3 and for PCE and TCE in MW6 to account for the arrival of the off-site (upgradient) contaminant plume.
- Interwell background standards were recalculated for 1,1-DCA, PCE, and TCE in the three upgradient wells also to account for the arrival of the off-site (upgradient) contaminant plume.
- A statistical failure at MW4 would hereafter be based on a combined failure of an interwell *and* an intrawell background standard to reduce the possibility of a statistical failure due to landfill gas influences from the Peoples Avenue Landfill.

The evaluations included in this Third Year Annual Report are based on the modified STEP.

1.3 Third Year Annual Report Overview

The purpose of this report is to provide the results of long-term natural attenuation monitoring to date at the site, a comparison of the data to previously calculated background groundwater quality standards, and an evaluation of whether the site is currently impacting groundwater. This report is organized as follows:

- Section 2.0 provides an evaluation of groundwater quality based on a comparison of COC detections with calculated COC background standards.
- Section 3.0 includes an alternative source demonstration (ASD) for various COCs detected in monitoring wells MW1 and MW4.
- Section 4.0 includes a summary and conclusions.

2.0 EVALUATION OF SITE GROUNDWATER QUALITY

Background groundwater quality data collection was performed at the six site monitoring wells in accordance with the ROD, SOW, and IEPA-approved GWMP. A site-specific list of seven COCs was selected and background standards were calculated based on the first four quarters of background data collection. The COC list and calculated background standards were approved by IEPA. As discussed in detail in the Second Year Annual Report and summarized herein, selected background standards were recalculated in the upgradient wells to incorporate upgradient plume-affected data, and minor modifications were made to the statistical evaluation protocol, to reduce the possibility of future statistical failures based on influences from the upgradient plume.

Background data collection was completed in the two river wells following the fourth quarter 2009 sampling event. Specific COC background standards were calculated for both river wells and were submitted to IEPA on June 1, 2010 (*River Well Statistics Technical Memorandum*) and are the basis for the statistical comparisons included herein.

2.1 Site Groundwater Monitoring Network

The site groundwater monitoring network consists of six monitoring wells, designated MW1, MW2, MW3, MW4, MW5, and MW6. The locations of these wells are shown on one of the figures included in Attachment 2. Each well is screened at a depth of approximately 60 feet within the shallow sand and gravel aquifer. Both regional and local groundwater flow in this aquifer is generally from northeast to southwest, towards the Rock River. Based on this groundwater flow direction, monitoring wells MW3, MW5, and MW6 are hydraulically upgradient of the site. The remaining three monitoring wells, MW1, MW2, and MW4 are hydraulically downgradient of the site.

2.2 River Wells

Two river wells were installed in March 2009, as required, at the locations shown on one of the figures included in Attachment 2. The river wells are designated MW8 and MW9, and both were installed to a depth of approximately 19 feet. (Note: The designation MW7 is reserved for the “blind” duplicate sample submitted to the laboratory during each monitoring event). Based on current groundwater flow conditions, both river wells are hydraulically downgradient of the site.

2.3 Results of Ongoing Natural Attenuation Groundwater Monitoring

Semiannual groundwater sampling for each of the seven COCs was performed in each of the site monitoring wells during this reporting period. Quarterly monitoring was performed at the two river wells through the background data collection period (ending in the fourth quarter 2009) and then continued on a semiannual basis. The laboratory data reports are included as Attachment 3. A summary of the analytical results for each COC in each monitoring well is included in the table in Attachment 4. The table in Attachment 4 also includes the calculated background standards. Concentration time trends for each COC in each well are included as Attachment 5.

Each laboratory data report was reviewed for completeness and accuracy, in accordance with the IEPA-approved quality assurance project plan (QAPP). The reviews included laboratory QA/QC documentation and the results of field and quality control blanks. Data validation summaries for each laboratory sampling report are included in Attachment 6.

A discussion of site groundwater quality is included below.

2.3.1 Upgradient Site Groundwater Quality

Upgradient groundwater quality appears to be relatively stable with respect to total VOC load during the past year. However, the concentrations of tetrachloroethene (PCE) appear to have increased in both upgradient wells MW3 and MW6, and the concentration of PCE in MW3 slightly exceeded its calculated intrawell standard during the most recent sampling event. This is consistent with the apparent arrival of the off-site, upgradient VOC plume, as reported previously. As stated in the ROD,

“One of the most notable outcomes of the groundwater portion of the [RI] investigation was verification that a plume of chlorinated volatile organic compounds, at substantially higher concentrations than occur on site is approaching the site from the north east. The plume is expected to reach the IPC site in 15 to 45 years.”

Given that the RI data collection activities were completed by 1994, arrival of the plume by 2009 is entirely consistent with the predictions included in the RI Report. This appears to be further supported by the total (i.e., cumulative) VOC load trends included as Attachment 7. As shown in the total VOC load time trends, the total (i.e., cumulative) VOC load is consistently higher in the three upgradient wells compared to the three downgradient wells, and the difference between the two has increased from 183 ug/L when natural attenuation monitoring began in September 2007 to 294 ug/L in the most recent sampling event, an increase of over 60 percent. Clearly, therefore, upgradient groundwater quality is worse than is downgradient groundwater quality based on total VOC load.

The IEPA requested in their August 26, 2009 Second Year Annual Report comment letter that a graph showing the sum of trichloroethene (TCE) and 1,1,1-trichloroethane (1,1,1-TCA) in the upgradient site wells compared with the sum in the downgradient site wells be included in the annual reports. Such a time trend is included in Attachment 8. As shown on the graph, the total concentrations of these two compounds have been consistently higher in the upgradient wells. The sum of TCE and 1,1,1-TCA in the upgradient wells has increased since natural attenuation monitoring began from 530 ug/L to 547 ug/L. During the same time period, however, and in spite of the arrival of the off-site plume, the sum of TCE and 1,1,1-TCA in the downgradient wells has decreased from 324 ug/L to 269 ug/L, a decrease of nearly 17 percent. During the same time period the difference between the cumulative upgradient sums and the cumulative downgradient sums has increased from approximately 206 ug/L to 278 ug/L, an increase of nearly 35 percent. Based on this comparison alone, there is evidence that groundwater quality has improved downgradient of the site compared to upgradient of the site.

Strictly speaking and consistent with the IEPA-approved statistical analysis plan, an intrawell exceedance in an upgradient well is evidence of groundwater degradation due to an off-site source and is, therefore, grounds for recalculating the intrawell background standard. However, given that there is presently only one upgradient intrawell exceedance (and that by only a small amount) and the relatively stable total VOC load, we do not think that any further upgradient intrawell background standard revisions are appropriate at this time.

2.3.2 Downgradient Site Groundwater Quality

Downgradient groundwater quality in the three site wells continues to be generally stable or improving. Total VOC load in the downgradient wells, depicted in the time trends included as Attachment 7, is presently at 830 ug/L compared to 990 ug/L when natural attenuation monitoring began, a decrease of over 16 percent. However, the current data set includes only eight data points and is, therefore, relatively small.

There were two interwell exceedances in MW4; one for 1,1-DCA and one for vinyl chloride and consistent with that reported last year. However, neither concentration exceeded its respective intrawell background standard and, therefore, does not represent a statistical failure. The presence of both these compounds at relatively high concentrations (compared to the other site monitoring wells) was reported previously in the First Year Annual Report/Technical Memorandum and was attributed to landfill gas from a known off-site/side gradient and uncontained source, the Peoples Avenue Landfill. This was the primary motivation behind our initial request to exclude these two compounds from long-term natural attenuation monitoring, which was denied by IEPA.

In addition, there was an interwell exceedance in MW1 for 1,1-DCA.

This report includes an alternative source demonstration (ASD) for these exceedances in Section 3.0.

2.3.3 Downgradient River Well Groundwater Quality

There were no VOCs detected in river well MW9, consistent with that reported last year. Only two VOCs, trichloroethene and cis 1,2-DCE, were detected in MW8 during the most recent monitoring event. However, the concentrations were generally much less than in most of the site wells, more than an order of magnitude less than in half the site wells. Therefore, there is no indication of site-related groundwater impacts in the river wells.

3.0 ALTERNATIVE SOURCE DEMONSTRATION FOR COCS DETECTED IN SITE MONITORING WELLS MW1 AND MW4

Groundwater samples collected during the quarterly background monitoring were also analyzed for dissolved methane, specifically during the third quarter 2008 monitoring event, and as reported previously in the First Year Annual Report/Technical Memorandum. Dissolved methane, a major component of landfill gas, was detected in five of the six site monitoring wells as summarized in the table below.

Results of Dissolved Methane Analyses

Sample Location	Concentration of Dissolved Methane (ug/L)	Reporting Limit (ug/L)
MW1	2.1	0.19
MW2	2.1	0.19
MW3	4.1	0.19
MW4	42	0.19
MW5	ND	0.19
MW6	1.2	0.19
MW7*	1.3	0.19
Field blank	ND	0.19
Trip blank	ND	0.19

ND = not detected at the reporting limit

* "blind" duplicate sample collected from MW6

3.1 Sources of Naturally Occurring Dissolved Methane

The relatively low dissolved methane concentrations in four of the wells may be indicative of methanogenesis, a naturally occurring form of anaerobic respiration associated with certain common microbes in the presence of organic material. Subsurface soil at the site was reported in the RI report to have contained relatively high concentrations of total organic carbon (TOC). Given that the recently constructed site cap has likely created subsurface anaerobic conditions, the presence of an abundant "food" source (i.e., the high TOC), it is not unreasonable to assume that methanogenesis is occurring. Therefore, the site-wide presence of relatively low concentrations of dissolved methane could indicate that natural attenuation is active.

3.2 Off-Site Sources of Dissolved Methane

The Peoples Avenue Landfill is located adjacent to and south/southeast of the site, and reportedly received a combination of residential, commercial, and industrial wastes. The combustible gas methane was previously detected in the basement of the adjacent pet food plant, and it was attributed to the Peoples Avenue Landfill (USEPA, 1976; RI Report, 1994). Two isolated areas with elevated combustible gas readings (i.e., methane) were also identified between the site and the Peoples Avenue Landfill during RI activities conducted in the early

1990's. Soil gas collected from these areas also contained slightly elevated concentrations of VOCs. The conclusion contained in the RI was:

"The USEPA and RI soil gas results indicate, therefore, that the Peoples Avenue Landfill may be an active source of combustible gases and, possibly, organic vapors in the Site area."

Landfill gas migration is a commonly known transport mechanism for numerous VOCs including tetrachloroethene, trichloroethene, cis-1,2-dichloroethene, vinyl chloride, and others (Vogel et al., 1987). As such, landfill gas migration has been implicated to be a principal source of many VOCs, including those currently detected in site groundwater, in groundwater near landfills.

While dissolved methane was discovered in most of the site monitoring wells, the concentrations were relatively low and, therefore, are likely at least partially the result of on-site methanogenesis.

MW4

The concentrations of 1,1-DCA and vinyl chloride continue to exceed their respective interwell background standards in MW4. However, the concentrations do not exceed their respective intrawell background standards. As such, the concentrations do not constitute a statistical failure and, strictly speaking, are not subject to an Alternative Source Demonstration. However, the following information is provided for informational purposes.

Given that MW4 is located adjacent to the Peoples Avenue Landfill and it contains, by far, the highest concentration of dissolved methane compared to the other wells, it is highly likely that landfill gas from the Peoples Avenue Landfill is the source for much or all of the dissolved methane in MW4. This is consistent with the previous reports documented herein. And given that landfill gas is a common carrier of numerous VOCs, including 1,1-DCA and vinyl chloride, it is fair to conclude that the elevated concentrations of 1,1-DCA and vinyl chloride in MW4 are also the result of the presence of landfill gas.

It is important to note that neither 1,1-DCA nor vinyl chloride are exhibiting increasing trends in MW4, and concentrations are well within the range of those detected since the beginning of natural attenuation monitoring. More importantly, the total VOC load in MW4 has decreased from a high of 389 ug/L in December 2007 to 284 ug/L during the most recent sampling event, a drop of nearly 27 percent. In summary, therefore, there is no indication that groundwater conditions on MW4 are deteriorating due to the site and, in fact, it appears that overall groundwater conditions have improved.

MW1

The concentration of 1,1-DCA also exceeded its respective interwell background standard in MW1 during the last sampling event. 1,1-DCA is a breakdown product of 1,1,1-TCA. The concentration of 1,1,1-TCA has decreased from a high of 13 ug/L to non-detect (reporting limit of 5 ug/L). As such, the increasing concentration of 1,1-DCA may simply be the result of the breakdown of 1,1,1-TCA. This explanation is supported by the fact that the total VOC load in

MW1 has decreased from a high of approximately 336 ug/L in June 2008 to 203 ug/L during the most recent sampling event, a decrease of nearly 40 percent.

It is also possible that landfill gas has also affected groundwater conditions in this well and have thus biased the concentration of 1,1-DCA, as indicated by the presence of dissolved methane in groundwater at this well. Other known (or unknown) upgradient sources may also be contributing sources. While MW1 is technically a downgradient well, it is located such that it could easily be considered sidegradient. Based on the location of MW1, it is easy to see that a plume migrating from the northeast or from the adjacent quarry could, potentially, impact MW1 while not affecting the upgradient wells.

In any case, overall groundwater conditions have clearly improved in MW1 with respect to total VOC load and there is no indication of site-related degradation in groundwater quality at this well.

4.0 SUMMARY AND CONCLUSIONS

The results of long-term natural attenuation monitoring to date indicate that total (i.e., cumulative) VOC load in the downgradient wells have been at their lowest concentrations during the past year, and there does not appear to be any site-related groundwater degradation in either the site monitoring wells or in the river wells. The affects from the arrival of the upgradient plume appear to have stabilized for the moment, and the revised statistical standards and evaluation protocol appear to have satisfactorily addressed the impacts associated with the off-site plume and no further statistical evaluation revisions are currently recommended. However, it is reasonable to assume that the off-site plume will eventually migrate through the site and impact the downgradient monitoring wells, possibly resulting in new “false-positive” statistical failures that will need to be addressed either by revising calculated background standards or by changing the statistical evaluation protocol (or both).

While on-site methanogenesis is likely occurring, indicating that natural attenuation is active, the relatively high (i.e., anomalous) concentrations of dissolved methane in downgradient well MW4 appear to be the result of landfill gas migration from the Peoples Avenue Landfill. It is likely that the associated relatively high concentrations of 1,1-DCA and vinyl chloride in MW4 are the result of the presence of landfill gas and are not site-related. It is also likely that the presence of these compounds in other site wells are biased high due to the presence of landfill gas.

We look forward to the IEPA’s approval of this report. If you have any questions, please do not hesitate to call me at 630 834-8847.

Sincerely,
ENVIRONMENTAL INFORMATION LOGISTICS, LLC

A handwritten signature in black ink, reading "A. Michael Hirt". The signature is fluid and cursive, with the first name "A." and last name "Hirt" clearly legible.

A. Michael Hirt, P.G.
Senior Geologist

References

Golder Associates, Inc., 1994, Final Remedial Investigation Report, Interstate Pollution Control Inc. Site, Rockford, Illinois.

USEPA, 1976, *Leachate Damage Assessment: Case Study of the Peoples Avenue Landfill Solid Waste Disposal Site in Rockford, Illinois*, EPA/530/SW-517.

Vogel et al., 1987, *Transformation of Halogenated Aliphatic Compounds*, Environmental Science Technology, vol. 21, pp. 722-736.

Attachment 1

Site Location and Detail Maps

Attachment 2

**Figure Showing the Locations of the Long-Term Natural Attenuation
Monitoring Wells**

Attachment 3

Laboratory Data Reports

Attachment 4

Data Summary Table

Attachment 5

COC Concentration Time Trends

Attachment 6

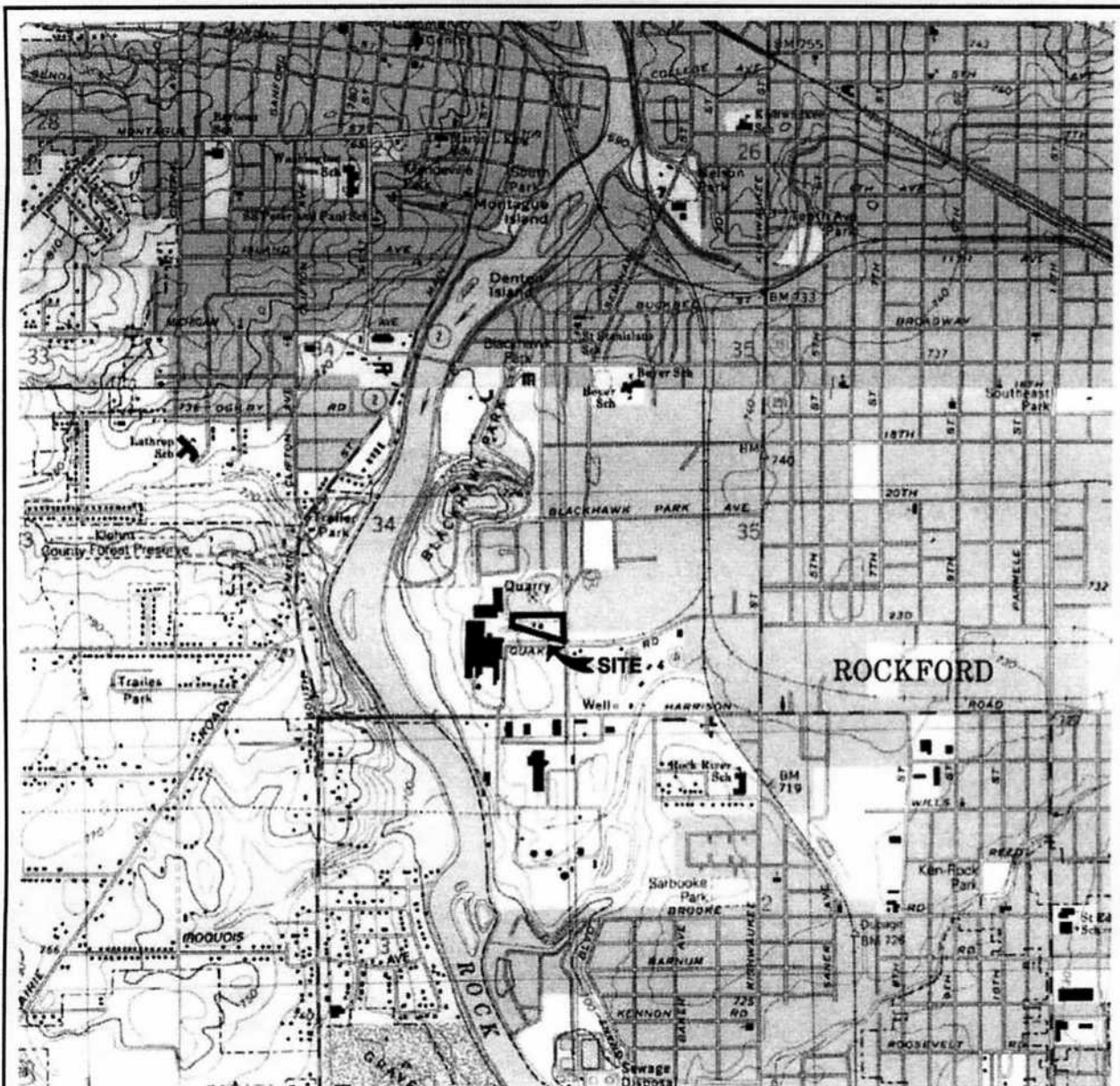
Data Validation Summaries

Attachment 7

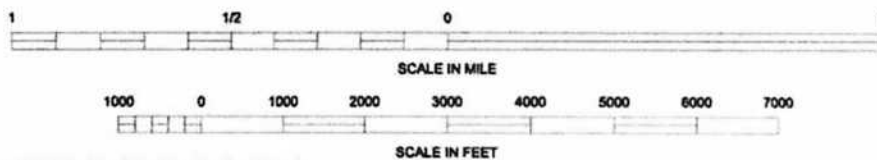
Total VOC Load Concentration Time Trends

Attachment 8


Total VOC Load Trends (1,1,1-TCA plus TCE only)



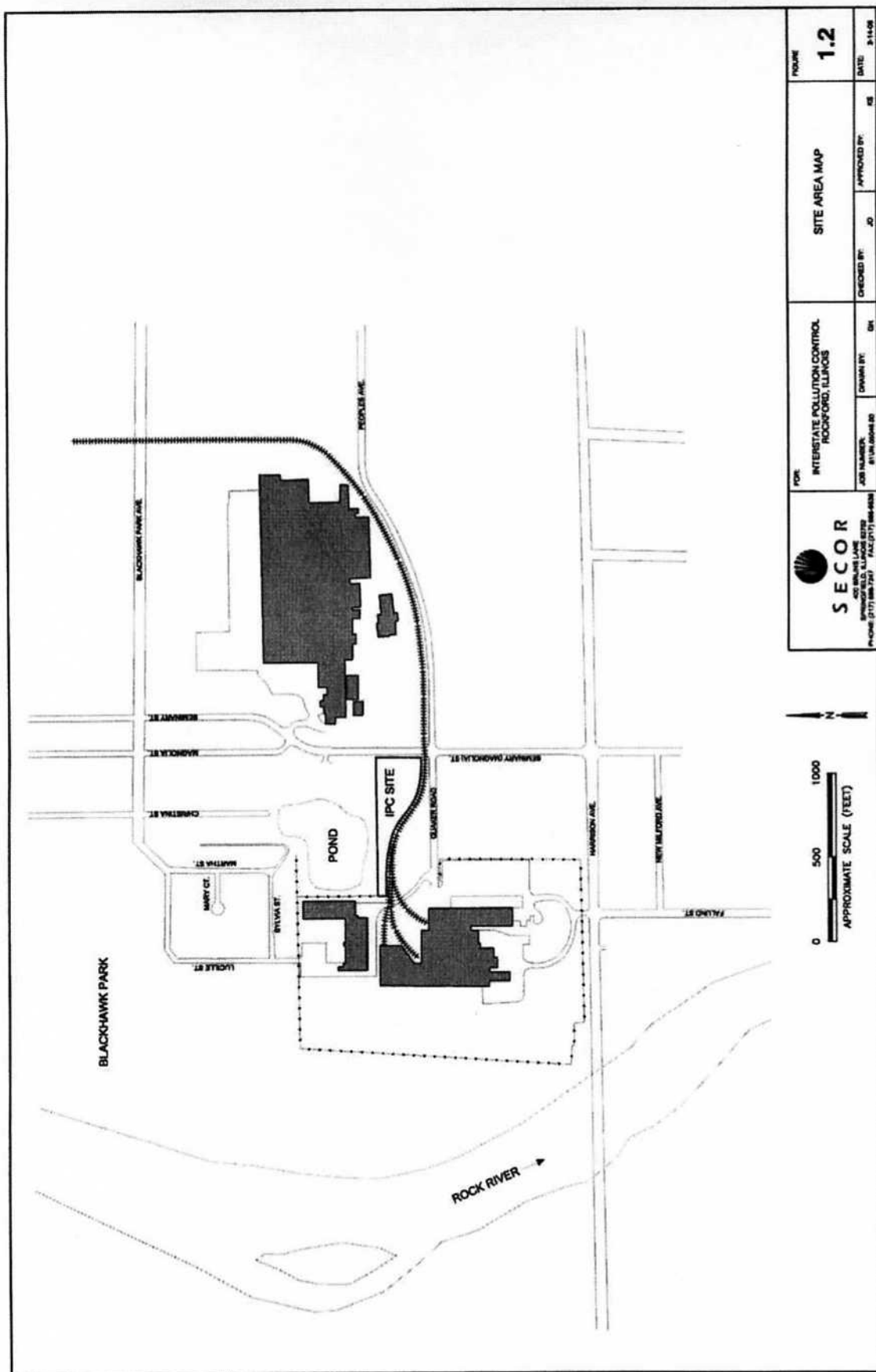
ILLINOIS



REFERENCE: USGS 7.5 MINUTE QUADRANGLE; Rockford, IL North & South
Photorevised 1993

 SECOR 400 BRUNS LANE SPRINGFIELD, ILLINOIS 62702 PHONE: (217) 898-7247 FAX: (217) 898-8538	FOR: INTERSTATE POLLUTION CONTROL ROCKFORD, ILLINOIS		SITE LOCATION MAP		FIGURE 1.1
	JOB NUMBER: 61UN.05046.00	DRAWN BY: GH	CHECKED BY: JO	APPROVED BY: KS	DATE: 2-14-08

FILEPATH:Q:\CADD-61UPC\61UN.05046.00\proposals\061 figure 1.1 site location map.dwg\ghinkle\Feb 21, 2008 at 15:26\Layout site local

[illegible]

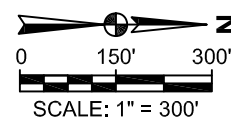


LEGEND

- IPC APPROXIMATE SITE BOUNDARY
- LONG-TERM NATURAL ATTENUATION MONITORING WELL LOCATIONS

NOTES

1. AERIAL PHOTO PROVIDED BY WINNEBAGO COUNTY GEOGRAPHIC INFORMATION SYSTEM (WINGIS).



PREPARED BY



PREPARED FOR

**INTERSTATE
POLLUTION
CONTROL**

FIGURE 1
LONG-TERM NATURAL ATTENUATION
MONITORING WELL LOCATIONS
INTERSTATE POLLUTION CONTROL
ROCKFORD, ILLINOIS

070309

JULY 2009

ANALYTICAL REPORT

Job Number: 500-23216-1

Job Description: Interstate Pollution Control Site

For:
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511
Attention: Ms. Mary Pearson



Approved for release.
Richard C Wright
Project Manager II
12/30/2009 10:29 AM

Richard C Wright
Project Manager II
richard.wright@testamericainc.com
12/30/2009

These test results meet all the requirements of NELAC for accredited parameters.

The Lab Certification ID# is 100201.

All questions regarding this test report should be directed to the TestAmerica Project Manager whose signature appears on this report. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

TestAmerica Laboratories, Inc.

TestAmerica Chicago 2417 Bond Street, University Park, IL 60484

Tel (708) 534-5200 Fax (708) 534-5211 www.testamericainc.com



Job Narrative
500-23216-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 78136 exceeded control limits for the following analytes: Acetone.

Method(s) 8260B: The laboratory control sample (LCS) for preparation batch 78199 exceeded control limits for the following analytes: Carbon tetrachloride. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 78136 were outside control limits for 1,2-Dichloroethane and Trichloroethene. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260B: Due to the high concentration of cis-1,2-Dichloroethene, the matrix spike / matrix spike duplicate (MS/MSD) for batch 78136 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: Environmental Information Logistics (EIL

Job Number: 500-23216-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
500-23216-1	MW1				
Vinyl chloride		10	2.0	ug/L	8260B
1,1-Dichloroethene		12	5.0	ug/L	8260B
1,1-Dichloroethane		14	5.0	ug/L	8260B
cis-1,2-Dichloroethene		160	25	ug/L	8260B
1,1,1-Trichloroethane		11	5.0	ug/L	8260B
Trichloroethene		52	5.0	ug/L	8260B
500-23216-2	MW2				
1,1-Dichloroethene		22	5.0	ug/L	8260B
cis-1,2-Dichloroethene		92	5.0	ug/L	8260B
1,1,1-Trichloroethane		25	5.0	ug/L	8260B
Trichloroethene		210	25	ug/L	8260B
Tetrachloroethene		34	5.0	ug/L	8260B
500-23216-3	MW3				
1,1-Dichloroethene		21	5.0	ug/L	8260B
cis-1,2-Dichloroethene		58	5.0	ug/L	8260B
1,1,1-Trichloroethane		27	5.0	ug/L	8260B
Trichloroethene		240	25	ug/L	8260B
Tetrachloroethene		38	5.0	ug/L	8260B
500-23216-4	MW4				
Vinyl chloride		67	2.0	ug/L	8260B
1,1-Dichloroethene		9.8	5.0	ug/L	8260B
1,1-Dichloroethane		22	5.0	ug/L	8260B
cis-1,2-Dichloroethene		160	25	ug/L	8260B
1,1,1-Trichloroethane		18	5.0	ug/L	8260B
500-23216-5	MW5				
Vinyl chloride		7.2	2.0	ug/L	8260B
1,1-Dichloroethene		26	5.0	ug/L	8260B
1,1-Dichloroethane		6.6	5.0	ug/L	8260B
cis-1,2-Dichloroethene		140	25	ug/L	8260B
1,1,1-Trichloroethane		39	5.0	ug/L	8260B
Trichloroethene		230	25	ug/L	8260B
Tetrachloroethene		42	5.0	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: Environmental Information Logistics (EIL

Job Number: 500-23216-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
500-23216-6	MW6				
Vinyl chloride		18	2.0	ug/L	8260B
1,1-Dichloroethene		24	5.0	ug/L	8260B
1,1-Dichloroethane		6.7	5.0	ug/L	8260B
cis-1,2-Dichloroethene		190	25	ug/L	8260B
1,1,1-Trichloroethane		37	5.0	ug/L	8260B
Trichloroethene		150	25	ug/L	8260B
500-23216-7	MW7				
Vinyl chloride		2.1	2.0	ug/L	8260B
1,1-Dichloroethene		23	5.0	ug/L	8260B
cis-1,2-Dichloroethene		95	5.0	ug/L	8260B
1,1,1-Trichloroethane		27	5.0	ug/L	8260B
Trichloroethene		200	25	ug/L	8260B
Tetrachloroethene		35	5.0	ug/L	8260B
500-23216-8	MW8				
1,1-Dichloroethene		7.1	5.0	ug/L	8260B
1,1-Dichloroethane		12	5.0	ug/L	8260B
cis-1,2-Dichloroethene		29	5.0	ug/L	8260B
1,1,1-Trichloroethane		11	5.0	ug/L	8260B
Trichloroethene		75	5.0	ug/L	8260B

METHOD SUMMARY

Client: Environmental Information Logistics (EIL

Job Number: 500-23216-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL CHI	SW846 8260B	
Purge and Trap	TAL CHI		SW846 5030B

Lab References:

TAL CHI = TestAmerica Chicago

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Environmental Information Logistics (EIL

Job Number: 500-23216-1

Method	Analyst	Analyst ID
SW846 8260B	Alikpala, Elaine	EA
SW846 8260B	Drabek, Dave J	DJD

SAMPLE SUMMARY

Client: Environmental Information Logistics (EIL

Job Number: 500-23216-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
500-23216-1	MW1	Water	12/17/2009 1136	12/19/2009 0900
500-23216-1MS	MW1	Water	12/17/2009 1136	12/19/2009 0900
500-23216-1MSD	MW1	Water	12/17/2009 1136	12/19/2009 0900
500-23216-2	MW2	Water	12/17/2009 1242	12/19/2009 0900
500-23216-3	MW3	Water	12/17/2009 1312	12/19/2009 0900
500-23216-4	MW4	Water	12/17/2009 1346	12/19/2009 0900
500-23216-5	MW5	Water	12/17/2009 1416	12/19/2009 0900
500-23216-6	MW6	Water	12/17/2009 1447	12/19/2009 0900
500-23216-7	MW7	Water	12/17/2009 1200	12/19/2009 0900
500-23216-8	MW8	Water	12/18/2009 1036	12/19/2009 0900
500-23216-9	MW9	Water	12/18/2009 1107	12/19/2009 0900
500-23216-10	F.B.	Water	12/17/2009 1455	12/19/2009 0900

SAMPLE RESULTS

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-23216-1

Client Sample ID: MW1
Lab Sample ID: 500-23216-1

Date Sampled: 12/17/2009 1136
Date Received: 12/19/2009 0900
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B			Date Analyzed:	12/24/2009 1425	
Prep Method: 5030B			Date Prepared:	12/24/2009 1425	
Benzene	<5.0	ug/L	0.15	5.0	1.0
Chloromethane	<5.0	ug/L	0.14	5.0	1.0
Vinyl chloride	10	ug/L	0.15	2.0	1.0
Bromomethane	<5.0	ug/L	0.45	5.0	1.0
Chloroethane	<5.0	ug/L	0.36	5.0	1.0
1,1-Dichloroethene	12	ug/L	0.23	5.0	1.0
Carbon disulfide	<5.0	ug/L	0.66	5.0	1.0
Acetone	<20	ug/L	2.1	20	1.0
Methylene Chloride	<10	ug/L	0.52	10	1.0
trans-1,2-Dichloroethene	<5.0	ug/L	0.18	5.0	1.0
1,1-Dichloroethane	14	ug/L	0.12	5.0	1.0
Methyl Ethyl Ketone	<20	ug/L	2.8	20	1.0
Chloroform	<5.0	ug/L	0.15	5.0	1.0
1,1,1-Trichloroethane	11	ug/L	0.14	5.0	1.0
Carbon tetrachloride	<5.0	ug/L	0.32	5.0	1.0
1,2-Dichloroethane	<5.0	ug/L	0.14	5.0	1.0
Trichloroethene	52	ug/L	0.16	5.0	1.0
1,2-Dichloropropane	<5.0	ug/L	0.19	5.0	1.0
Bromodichloromethane	<5.0	ug/L	0.13	5.0	1.0
cis-1,3-Dichloropropene	<5.0	ug/L	0.16	5.0	1.0
methyl isobutyl ketone	<20	ug/L	0.77	20	1.0
Toluene	<5.0	ug/L	0.17	5.0	1.0
trans-1,3-Dichloropropene	<5.0	ug/L	0.21	5.0	1.0
1,1,2-Trichloroethane	<5.0	ug/L	0.22	5.0	1.0
Tetrachloroethene	<5.0	ug/L	0.20	5.0	1.0
2-Hexanone	<20	ug/L	0.77	20	1.0
Dibromochloromethane	<5.0	ug/L	0.17	5.0	1.0
Chlorobenzene	<5.0	ug/L	0.17	5.0	1.0
Ethylbenzene	<5.0	ug/L	0.22	5.0	1.0
Styrene	<5.0	ug/L	0.17	5.0	1.0
Bromoform	<5.0	ug/L	0.30	5.0	1.0
1,1,2,2-Tetrachloroethane	<5.0	ug/L	0.27	5.0	1.0
Xylenes, Total	<5.0	ug/L	0.42	5.0	1.0
Surrogate			Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	122	%	72 - 135		
Toluene-d8 (Surr)	101	%	80 - 120		
4-Bromofluorobenzene (Surr)	95	%	77 - 120		
Dibromofluoromethane	113	%	79 - 133		

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-23216-1

Client Sample ID: MW1
Lab Sample ID: 500-23216-1

Date Sampled: 12/17/2009 1136
Date Received: 12/19/2009 0900
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B Run Type: DL		Date Analyzed: 12/24/2009 1447			
Prep Method: 5030B		Date Prepared: 12/24/2009 1447			
cis-1,2-Dichloroethene	160	ug/L	0.75	25	5.0
Surrogate	Acceptance Limits				
1,2-Dichloroethane-d4 (Surr)	123	%	72 - 135		
Toluene-d8 (Surr)	101	%	80 - 120		
4-Bromofluorobenzene (Surr)	92	%	77 - 120		
Dibromofluoromethane	114	%	79 - 133		

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-23216-1

Client Sample ID: MW2
Lab Sample ID: 500-23216-2

Date Sampled: 12/17/2009 1242
Date Received: 12/19/2009 0900
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B			Date Analyzed:	12/24/2009 1508	
Prep Method: 5030B			Date Prepared:	12/24/2009 1508	
Benzene	<5.0	ug/L	0.15	5.0	1.0
Chloromethane	<5.0	ug/L	0.14	5.0	1.0
Vinyl chloride	<2.0	ug/L	0.15	2.0	1.0
Bromomethane	<5.0	ug/L	0.45	5.0	1.0
Chloroethane	<5.0	ug/L	0.36	5.0	1.0
1,1-Dichloroethene	22	ug/L	0.23	5.0	1.0
Carbon disulfide	<5.0	ug/L	0.66	5.0	1.0
Acetone	<20	ug/L	2.1	20	1.0
Methylene Chloride	<10	ug/L	0.52	10	1.0
trans-1,2-Dichloroethene	<5.0	ug/L	0.18	5.0	1.0
1,1-Dichloroethane	<5.0	ug/L	0.12	5.0	1.0
cis-1,2-Dichloroethene	92	ug/L	0.15	5.0	1.0
Methyl Ethyl Ketone	<20	ug/L	2.8	20	1.0
Chloroform	<5.0	ug/L	0.15	5.0	1.0
1,1,1-Trichloroethane	25	ug/L	0.14	5.0	1.0
Carbon tetrachloride	<5.0	ug/L	0.32	5.0	1.0
1,2-Dichloroethane	<5.0	ug/L	0.14	5.0	1.0
1,2-Dichloropropane	<5.0	ug/L	0.19	5.0	1.0
Bromodichloromethane	<5.0	ug/L	0.13	5.0	1.0
cis-1,3-Dichloropropene	<5.0	ug/L	0.16	5.0	1.0
methyl isobutyl ketone	<20	ug/L	0.77	20	1.0
Toluene	<5.0	ug/L	0.17	5.0	1.0
trans-1,3-Dichloropropene	<5.0	ug/L	0.21	5.0	1.0
1,1,2-Trichloroethane	<5.0	ug/L	0.22	5.0	1.0
Tetrachloroethene	34	ug/L	0.20	5.0	1.0
2-Hexanone	<20	ug/L	0.77	20	1.0
Dibromochloromethane	<5.0	ug/L	0.17	5.0	1.0
Chlorobenzene	<5.0	ug/L	0.17	5.0	1.0
Ethylbenzene	<5.0	ug/L	0.22	5.0	1.0
Styrene	<5.0	ug/L	0.17	5.0	1.0
Bromoform	<5.0	ug/L	0.30	5.0	1.0
1,1,2,2-Tetrachloroethane	<5.0	ug/L	0.27	5.0	1.0
Xylenes, Total	<5.0	ug/L	0.42	5.0	1.0
Surrogate			Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	121	%	72 - 135		
Toluene-d8 (Surr)	100	%	80 - 120		
4-Bromofluorobenzene (Surr)	89	%	77 - 120		
Dibromofluoromethane	112	%	79 - 133		

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-23216-1

Client Sample ID: MW2
Lab Sample ID: 500-23216-2

Date Sampled: 12/17/2009 1242
Date Received: 12/19/2009 0900
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B Run Type: DL		Date Analyzed: 12/24/2009 1529			
Prep Method: 5030B		Date Prepared: 12/24/2009 1529			
Trichloroethene	210	ug/L	0.80	25	5.0
Surrogate	Acceptance Limits				
1,2-Dichloroethane-d4 (Surr)	126	%	72 - 135		
Toluene-d8 (Surr)	102	%	80 - 120		
4-Bromofluorobenzene (Surr)	87	%	77 - 120		
Dibromofluoromethane	115	%	79 - 133		

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-23216-1

Client Sample ID: MW3
Lab Sample ID: 500-23216-3

Date Sampled: 12/17/2009 1312
Date Received: 12/19/2009 0900
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B			Date Analyzed:	12/24/2009 1551	
Prep Method: 5030B			Date Prepared:	12/24/2009 1551	
Benzene	<5.0	ug/L	0.15	5.0	1.0
Chloromethane	<5.0	ug/L	0.14	5.0	1.0
Vinyl chloride	<2.0	ug/L	0.15	2.0	1.0
Bromomethane	<5.0	ug/L	0.45	5.0	1.0
Chloroethane	<5.0	ug/L	0.36	5.0	1.0
1,1-Dichloroethene	21	ug/L	0.23	5.0	1.0
Carbon disulfide	<5.0	ug/L	0.66	5.0	1.0
Acetone	<20	ug/L	2.1	20	1.0
Methylene Chloride	<10	ug/L	0.52	10	1.0
trans-1,2-Dichloroethene	<5.0	ug/L	0.18	5.0	1.0
1,1-Dichloroethane	<5.0	ug/L	0.12	5.0	1.0
cis-1,2-Dichloroethene	58	ug/L	0.15	5.0	1.0
Methyl Ethyl Ketone	<20	ug/L	2.8	20	1.0
Chloroform	<5.0	ug/L	0.15	5.0	1.0
1,1,1-Trichloroethane	27	ug/L	0.14	5.0	1.0
Carbon tetrachloride	<5.0	ug/L	0.32	5.0	1.0
1,2-Dichloroethane	<5.0	ug/L	0.14	5.0	1.0
1,2-Dichloropropane	<5.0	ug/L	0.19	5.0	1.0
Bromodichloromethane	<5.0	ug/L	0.13	5.0	1.0
cis-1,3-Dichloropropene	<5.0	ug/L	0.16	5.0	1.0
methyl isobutyl ketone	<20	ug/L	0.77	20	1.0
Toluene	<5.0	ug/L	0.17	5.0	1.0
trans-1,3-Dichloropropene	<5.0	ug/L	0.21	5.0	1.0
1,1,2-Trichloroethane	<5.0	ug/L	0.22	5.0	1.0
Tetrachloroethene	38	ug/L	0.20	5.0	1.0
2-Hexanone	<20	ug/L	0.77	20	1.0
Dibromochloromethane	<5.0	ug/L	0.17	5.0	1.0
Chlorobenzene	<5.0	ug/L	0.17	5.0	1.0
Ethylbenzene	<5.0	ug/L	0.22	5.0	1.0
Styrene	<5.0	ug/L	0.17	5.0	1.0
Bromoform	<5.0	ug/L	0.30	5.0	1.0
1,1,2,2-Tetrachloroethane	<5.0	ug/L	0.27	5.0	1.0
Xylenes, Total	<5.0	ug/L	0.42	5.0	1.0
Surrogate			Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	127	%	72 - 135		
Toluene-d8 (Surr)	101	%	80 - 120		
4-Bromofluorobenzene (Surr)	88	%	77 - 120		
Dibromofluoromethane	116	%	79 - 133		

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-23216-1

Client Sample ID: MW3
Lab Sample ID: 500-23216-3

Date Sampled: 12/17/2009 1312
Date Received: 12/19/2009 0900
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B Run Type: DL		Date Analyzed: 12/24/2009 1612			
Prep Method: 5030B		Date Prepared: 12/24/2009 1612			
Trichloroethene	240	ug/L	0.80	25	5.0
Surrogate	Acceptance Limits				
1,2-Dichloroethane-d4 (Surr)	125	%	72 - 135		
Toluene-d8 (Surr)	101	%	80 - 120		
4-Bromofluorobenzene (Surr)	89	%	77 - 120		
Dibromofluoromethane	118	%	79 - 133		

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-23216-1

Client Sample ID: MW4
Lab Sample ID: 500-23216-4

Date Sampled: 12/17/2009 1346
Date Received: 12/19/2009 0900
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B			Date Analyzed:	12/24/2009 1633	
Prep Method: 5030B			Date Prepared:	12/24/2009 1633	
Benzene	<5.0	ug/L	0.15	5.0	1.0
Chloromethane	<5.0	ug/L	0.14	5.0	1.0
Vinyl chloride	67	ug/L	0.15	2.0	1.0
Bromomethane	<5.0	ug/L	0.45	5.0	1.0
Chloroethane	<5.0	ug/L	0.36	5.0	1.0
1,1-Dichloroethene	9.8	ug/L	0.23	5.0	1.0
Carbon disulfide	<5.0	ug/L	0.66	5.0	1.0
Acetone	<20	ug/L	2.1	20	1.0
Methylene Chloride	<10	ug/L	0.52	10	1.0
trans-1,2-Dichloroethene	<5.0	ug/L	0.18	5.0	1.0
1,1-Dichloroethane	22	ug/L	0.12	5.0	1.0
Methyl Ethyl Ketone	<20	ug/L	2.8	20	1.0
Chloroform	<5.0	ug/L	0.15	5.0	1.0
1,1,1-Trichloroethane	18	ug/L	0.14	5.0	1.0
Carbon tetrachloride	<5.0	ug/L	0.32	5.0	1.0
1,2-Dichloroethane	<5.0	ug/L	0.14	5.0	1.0
Trichloroethene	<5.0	ug/L	0.16	5.0	1.0
1,2-Dichloropropane	<5.0	ug/L	0.19	5.0	1.0
Bromodichloromethane	<5.0	ug/L	0.13	5.0	1.0
cis-1,3-Dichloropropene	<5.0	ug/L	0.16	5.0	1.0
methyl isobutyl ketone	<20	ug/L	0.77	20	1.0
Toluene	<5.0	ug/L	0.17	5.0	1.0
trans-1,3-Dichloropropene	<5.0	ug/L	0.21	5.0	1.0
1,1,2-Trichloroethane	<5.0	ug/L	0.22	5.0	1.0
Tetrachloroethene	<5.0	ug/L	0.20	5.0	1.0
2-Hexanone	<20	ug/L	0.77	20	1.0
Dibromochloromethane	<5.0	ug/L	0.17	5.0	1.0
Chlorobenzene	<5.0	ug/L	0.17	5.0	1.0
Ethylbenzene	<5.0	ug/L	0.22	5.0	1.0
Styrene	<5.0	ug/L	0.17	5.0	1.0
Bromoform	<5.0	ug/L	0.30	5.0	1.0
1,1,2,2-Tetrachloroethane	<5.0	ug/L	0.27	5.0	1.0
Xylenes, Total	<5.0	ug/L	0.42	5.0	1.0
Surrogate			Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	123	%	72 - 135		
Toluene-d8 (Surr)	101	%	80 - 120		
4-Bromofluorobenzene (Surr)	90	%	77 - 120		
Dibromofluoromethane	115	%	79 - 133		

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-23216-1

Client Sample ID: MW4
Lab Sample ID: 500-23216-4

Date Sampled: 12/17/2009 1346
Date Received: 12/19/2009 0900
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B Run Type: DL		Date Analyzed: 12/24/2009 1652			
Prep Method: 5030B		Date Prepared: 12/24/2009 1652			
cis-1,2-Dichloroethene	160	ug/L	0.75	25	5.0
Surrogate	Acceptance Limits				
1,2-Dichloroethane-d4 (Surr)	128	%	72 - 135		
Toluene-d8 (Surr)	99	%	80 - 120		
4-Bromofluorobenzene (Surr)	87	%	77 - 120		
Dibromofluoromethane	116	%	79 - 133		

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-23216-1

Client Sample ID: MW5
Lab Sample ID: 500-23216-5

Date Sampled: 12/17/2009 1416
Date Received: 12/19/2009 0900
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B			Date Analyzed:	12/24/2009 1713	
Prep Method: 5030B			Date Prepared:	12/24/2009 1713	
Benzene	<5.0	ug/L	0.15	5.0	1.0
Chloromethane	<5.0	ug/L	0.14	5.0	1.0
Vinyl chloride	7.2	ug/L	0.15	2.0	1.0
Bromomethane	<5.0	ug/L	0.45	5.0	1.0
Chloroethane	<5.0	ug/L	0.36	5.0	1.0
1,1-Dichloroethene	26	ug/L	0.23	5.0	1.0
Carbon disulfide	<5.0	ug/L	0.66	5.0	1.0
Acetone	<20	ug/L	2.1	20	1.0
Methylene Chloride	<10	ug/L	0.52	10	1.0
trans-1,2-Dichloroethene	<5.0	ug/L	0.18	5.0	1.0
1,1-Dichloroethane	6.6	ug/L	0.12	5.0	1.0
Methyl Ethyl Ketone	<20	ug/L	2.8	20	1.0
Chloroform	<5.0	ug/L	0.15	5.0	1.0
1,1,1-Trichloroethane	39	ug/L	0.14	5.0	1.0
Carbon tetrachloride	<5.0	ug/L	0.32	5.0	1.0
1,2-Dichloroethane	<5.0	ug/L	0.14	5.0	1.0
1,2-Dichloropropane	<5.0	ug/L	0.19	5.0	1.0
Bromodichloromethane	<5.0	ug/L	0.13	5.0	1.0
cis-1,3-Dichloropropene	<5.0	ug/L	0.16	5.0	1.0
methyl isobutyl ketone	<20	ug/L	0.77	20	1.0
Toluene	<5.0	ug/L	0.17	5.0	1.0
trans-1,3-Dichloropropene	<5.0	ug/L	0.21	5.0	1.0
1,1,2-Trichloroethane	<5.0	ug/L	0.22	5.0	1.0
Tetrachloroethene	42	ug/L	0.20	5.0	1.0
2-Hexanone	<20	ug/L	0.77	20	1.0
Dibromochloromethane	<5.0	ug/L	0.17	5.0	1.0
Chlorobenzene	<5.0	ug/L	0.17	5.0	1.0
Ethylbenzene	<5.0	ug/L	0.22	5.0	1.0
Styrene	<5.0	ug/L	0.17	5.0	1.0
Bromoform	<5.0	ug/L	0.30	5.0	1.0
1,1,2,2-Tetrachloroethane	<5.0	ug/L	0.27	5.0	1.0
Xylenes, Total	<5.0	ug/L	0.42	5.0	1.0
Surrogate			Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	126	%	72 - 135		
Toluene-d8 (Surr)	103	%	80 - 120		
4-Bromofluorobenzene (Surr)	88	%	77 - 120		
Dibromofluoromethane	117	%	79 - 133		

Method: 8260B Run Type: DL

Date Analyzed: 12/29/2009 1327

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-23216-1

Client Sample ID: MW5
Lab Sample ID: 500-23216-5

Date Sampled: 12/17/2009 1416
Date Received: 12/19/2009 0900
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Prep Method: 5030B			Date Prepared:	12/29/2009 1327	
cis-1,2-Dichloroethene	140	ug/L	0.75	25	5.0
Trichloroethene	230	ug/L	0.80	25	5.0
Surrogate			Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	117	%		72 - 135	
Toluene-d8 (Surr)	104	%		80 - 120	
4-Bromofluorobenzene (Surr)	89	%		77 - 120	
Dibromofluoromethane	103	%		79 - 133	

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-23216-1

Client Sample ID: MW6
Lab Sample ID: 500-23216-6

Date Sampled: 12/17/2009 1447
Date Received: 12/19/2009 0900
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B			Date Analyzed:	12/24/2009 1758	
Prep Method: 5030B			Date Prepared:	12/24/2009 1758	
Benzene	<5.0	ug/L	0.15	5.0	1.0
Chloromethane	<5.0	ug/L	0.14	5.0	1.0
Vinyl chloride	18	ug/L	0.15	2.0	1.0
Bromomethane	<5.0	ug/L	0.45	5.0	1.0
Chloroethane	<5.0	ug/L	0.36	5.0	1.0
1,1-Dichloroethene	24	ug/L	0.23	5.0	1.0
Carbon disulfide	<5.0	ug/L	0.66	5.0	1.0
Acetone	<20	ug/L	2.1	20	1.0
Methylene Chloride	<10	ug/L	0.52	10	1.0
trans-1,2-Dichloroethene	<5.0	ug/L	0.18	5.0	1.0
1,1-Dichloroethane	6.7	ug/L	0.12	5.0	1.0
Methyl Ethyl Ketone	<20	ug/L	2.8	20	1.0
Chloroform	<5.0	ug/L	0.15	5.0	1.0
1,1,1-Trichloroethane	37	ug/L	0.14	5.0	1.0
Carbon tetrachloride	<5.0	ug/L	0.32	5.0	1.0
1,2-Dichloroethane	<5.0	ug/L	0.14	5.0	1.0
1,2-Dichloropropane	<5.0	ug/L	0.19	5.0	1.0
Bromodichloromethane	<5.0	ug/L	0.13	5.0	1.0
cis-1,3-Dichloropropene	<5.0	ug/L	0.16	5.0	1.0
methyl isobutyl ketone	<20	ug/L	0.77	20	1.0
Toluene	<5.0	ug/L	0.17	5.0	1.0
trans-1,3-Dichloropropene	<5.0	ug/L	0.21	5.0	1.0
1,1,2-Trichloroethane	<5.0	ug/L	0.22	5.0	1.0
Tetrachloroethene	<5.0	ug/L	0.20	5.0	1.0
2-Hexanone	<20	ug/L	0.77	20	1.0
Dibromochloromethane	<5.0	ug/L	0.17	5.0	1.0
Chlorobenzene	<5.0	ug/L	0.17	5.0	1.0
Ethylbenzene	<5.0	ug/L	0.22	5.0	1.0
Styrene	<5.0	ug/L	0.17	5.0	1.0
Bromoform	<5.0	ug/L	0.30	5.0	1.0
1,1,2,2-Tetrachloroethane	<5.0	ug/L	0.27	5.0	1.0
Xylenes, Total	<5.0	ug/L	0.42	5.0	1.0
Surrogate			Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	124	%	72 - 135		
Toluene-d8 (Surr)	101	%	80 - 120		
4-Bromofluorobenzene (Surr)	90	%	77 - 120		
Dibromofluoromethane	114	%	79 - 133		

Method: 8260B Run Type: DL

Date Analyzed: 12/24/2009 1820

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-23216-1

Client Sample ID: MW6
Lab Sample ID: 500-23216-6

Date Sampled: 12/17/2009 1447
Date Received: 12/19/2009 0900
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Prep Method: 5030B			Date Prepared:	12/24/2009 1820	
cis-1,2-Dichloroethene	190	ug/L	0.75	25	5.0
Trichloroethene	150	ug/L	0.80	25	5.0
Surrogate			Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	129	%		72 - 135	
Toluene-d8 (Surr)	101	%		80 - 120	
4-Bromofluorobenzene (Surr)	87	%		77 - 120	
Dibromofluoromethane	115	%		79 - 133	

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-23216-1

Client Sample ID: MW7
Lab Sample ID: 500-23216-7

Date Sampled: 12/17/2009 1200
Date Received: 12/19/2009 0900
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B			Date Analyzed:	12/24/2009 1841	
Prep Method: 5030B			Date Prepared:	12/24/2009 1841	
Benzene	<5.0	ug/L	0.15	5.0	1.0
Chloromethane	<5.0	ug/L	0.14	5.0	1.0
Vinyl chloride	2.1	ug/L	0.15	2.0	1.0
Bromomethane	<5.0	ug/L	0.45	5.0	1.0
Chloroethane	<5.0	ug/L	0.36	5.0	1.0
1,1-Dichloroethene	23	ug/L	0.23	5.0	1.0
Carbon disulfide	<5.0	ug/L	0.66	5.0	1.0
Acetone	<20	ug/L	2.1	20	1.0
Methylene Chloride	<10	ug/L	0.52	10	1.0
trans-1,2-Dichloroethene	<5.0	ug/L	0.18	5.0	1.0
1,1-Dichloroethane	<5.0	ug/L	0.12	5.0	1.0
cis-1,2-Dichloroethene	95	ug/L	0.15	5.0	1.0
Methyl Ethyl Ketone	<20	ug/L	2.8	20	1.0
Chloroform	<5.0	ug/L	0.15	5.0	1.0
1,1,1-Trichloroethane	27	ug/L	0.14	5.0	1.0
Carbon tetrachloride	<5.0	ug/L	0.32	5.0	1.0
1,2-Dichloroethane	<5.0	ug/L	0.14	5.0	1.0
1,2-Dichloropropane	<5.0	ug/L	0.19	5.0	1.0
Bromodichloromethane	<5.0	ug/L	0.13	5.0	1.0
cis-1,3-Dichloropropene	<5.0	ug/L	0.16	5.0	1.0
methyl isobutyl ketone	<20	ug/L	0.77	20	1.0
Toluene	<5.0	ug/L	0.17	5.0	1.0
trans-1,3-Dichloropropene	<5.0	ug/L	0.21	5.0	1.0
1,1,2-Trichloroethane	<5.0	ug/L	0.22	5.0	1.0
Tetrachloroethene	35	ug/L	0.20	5.0	1.0
2-Hexanone	<20	ug/L	0.77	20	1.0
Dibromochloromethane	<5.0	ug/L	0.17	5.0	1.0
Chlorobenzene	<5.0	ug/L	0.17	5.0	1.0
Ethylbenzene	<5.0	ug/L	0.22	5.0	1.0
Styrene	<5.0	ug/L	0.17	5.0	1.0
Bromoform	<5.0	ug/L	0.30	5.0	1.0
1,1,2,2-Tetrachloroethane	<5.0	ug/L	0.27	5.0	1.0
Xylenes, Total	<5.0	ug/L	0.42	5.0	1.0
Surrogate			Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	127	%	72 - 135		
Toluene-d8 (Surr)	101	%	80 - 120		
4-Bromofluorobenzene (Surr)	88	%	77 - 120		
Dibromofluoromethane	116	%	79 - 133		

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-23216-1

Client Sample ID: MW7
Lab Sample ID: 500-23216-7

Date Sampled: 12/17/2009 1200
Date Received: 12/19/2009 0900
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B Run Type: DL		Date Analyzed: 12/24/2009 1902			
Prep Method: 5030B		Date Prepared: 12/24/2009 1902			
Trichloroethene	200	ug/L	0.80	25	5.0
Surrogate	Acceptance Limits				
1,2-Dichloroethane-d4 (Surr)	124	%	72 - 135		
Toluene-d8 (Surr)	101	%	80 - 120		
4-Bromofluorobenzene (Surr)	87	%	77 - 120		
Dibromofluoromethane	117	%	79 - 133		

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-23216-1

Client Sample ID: MW8
Lab Sample ID: 500-23216-8

Date Sampled: 12/18/2009 1036
Date Received: 12/19/2009 0900
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B			Date Analyzed:	12/24/2009	1924
Prep Method: 5030B			Date Prepared:	12/24/2009	1924
Benzene	<5.0	ug/L	0.15	5.0	1.0
Chloromethane	<5.0	ug/L	0.14	5.0	1.0
Vinyl chloride	<2.0	ug/L	0.15	2.0	1.0
Bromomethane	<5.0	ug/L	0.45	5.0	1.0
Chloroethane	<5.0	ug/L	0.36	5.0	1.0
1,1-Dichloroethene	7.1	ug/L	0.23	5.0	1.0
Carbon disulfide	<5.0	ug/L	0.66	5.0	1.0
Acetone	<20	ug/L	2.1	20	1.0
Methylene Chloride	<10	ug/L	0.52	10	1.0
trans-1,2-Dichloroethene	<5.0	ug/L	0.18	5.0	1.0
1,1-Dichloroethane	12	ug/L	0.12	5.0	1.0
cis-1,2-Dichloroethene	29	ug/L	0.15	5.0	1.0
Methyl Ethyl Ketone	<20	ug/L	2.8	20	1.0
Chloroform	<5.0	ug/L	0.15	5.0	1.0
1,1,1-Trichloroethane	11	ug/L	0.14	5.0	1.0
Carbon tetrachloride	<5.0	ug/L	0.32	5.0	1.0
1,2-Dichloroethane	<5.0	ug/L	0.14	5.0	1.0
Trichloroethene	75	ug/L	0.16	5.0	1.0
1,2-Dichloropropane	<5.0	ug/L	0.19	5.0	1.0
Bromodichloromethane	<5.0	ug/L	0.13	5.0	1.0
cis-1,3-Dichloropropene	<5.0	ug/L	0.16	5.0	1.0
methyl isobutyl ketone	<20	ug/L	0.77	20	1.0
Toluene	<5.0	ug/L	0.17	5.0	1.0
trans-1,3-Dichloropropene	<5.0	ug/L	0.21	5.0	1.0
1,1,2-Trichloroethane	<5.0	ug/L	0.22	5.0	1.0
Tetrachloroethene	<5.0	ug/L	0.20	5.0	1.0
2-Hexanone	<20	ug/L	0.77	20	1.0
Dibromochloromethane	<5.0	ug/L	0.17	5.0	1.0
Chlorobenzene	<5.0	ug/L	0.17	5.0	1.0
Ethylbenzene	<5.0	ug/L	0.22	5.0	1.0
Styrene	<5.0	ug/L	0.17	5.0	1.0
Bromoform	<5.0	ug/L	0.30	5.0	1.0
1,1,2,2-Tetrachloroethane	<5.0	ug/L	0.27	5.0	1.0
Xylenes, Total	<5.0	ug/L	0.42	5.0	1.0
Surrogate			Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	129	%	72 - 135		
Toluene-d8 (Surr)	103	%	80 - 120		
4-Bromofluorobenzene (Surr)	88	%	77 - 120		

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-23216-1

Client Sample ID: MW8
Lab Sample ID: 500-23216-8

Date Sampled: 12/18/2009 1036
Date Received: 12/19/2009 0900
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Surrogate				Acceptance Limits	
Dibromofluoromethane	117	%		79 - 133	

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-23216-1

Client Sample ID: MW9
Lab Sample ID: 500-23216-9

Date Sampled: 12/18/2009 1107
Date Received: 12/19/2009 0900
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B			Date Analyzed:	12/29/2009 1351	
Prep Method: 5030B			Date Prepared:	12/29/2009 1351	
Benzene	<5.0	ug/L	0.15	5.0	1.0
Chloromethane	<5.0	ug/L	0.14	5.0	1.0
Vinyl chloride	<2.0	ug/L	0.15	2.0	1.0
Bromomethane	<5.0	ug/L	0.45	5.0	1.0
Chloroethane	<5.0	ug/L	0.36	5.0	1.0
1,1-Dichloroethene	<5.0	ug/L	0.23	5.0	1.0
Carbon disulfide	<5.0	ug/L	0.66	5.0	1.0
Acetone	<20	ug/L	2.1	20	1.0
Methylene Chloride	<10	ug/L	0.52	10	1.0
trans-1,2-Dichloroethene	<5.0	ug/L	0.18	5.0	1.0
1,1-Dichloroethane	<5.0	ug/L	0.12	5.0	1.0
cis-1,2-Dichloroethene	<5.0	ug/L	0.15	5.0	1.0
Methyl Ethyl Ketone	<20	ug/L	2.8	20	1.0
Chloroform	<5.0	ug/L	0.15	5.0	1.0
1,1,1-Trichloroethane	<5.0	ug/L	0.14	5.0	1.0
Carbon tetrachloride	<5.0 *	ug/L	0.32	5.0	1.0
1,2-Dichloroethane	<5.0	ug/L	0.14	5.0	1.0
Trichloroethene	<5.0	ug/L	0.16	5.0	1.0
1,2-Dichloropropane	<5.0	ug/L	0.19	5.0	1.0
Bromodichloromethane	<5.0	ug/L	0.13	5.0	1.0
cis-1,3-Dichloropropene	<5.0	ug/L	0.16	5.0	1.0
methyl isobutyl ketone	<20	ug/L	0.77	20	1.0
Toluene	<5.0	ug/L	0.17	5.0	1.0
trans-1,3-Dichloropropene	<5.0	ug/L	0.21	5.0	1.0
1,1,2-Trichloroethane	<5.0	ug/L	0.22	5.0	1.0
Tetrachloroethene	<5.0	ug/L	0.20	5.0	1.0
2-Hexanone	<20	ug/L	0.77	20	1.0
Dibromochloromethane	<5.0	ug/L	0.17	5.0	1.0
Chlorobenzene	<5.0	ug/L	0.17	5.0	1.0
Ethylbenzene	<5.0	ug/L	0.22	5.0	1.0
Styrene	<5.0	ug/L	0.17	5.0	1.0
Bromoform	<5.0	ug/L	0.30	5.0	1.0
1,1,2,2-Tetrachloroethane	<5.0	ug/L	0.27	5.0	1.0
Xylenes, Total	<5.0	ug/L	0.42	5.0	1.0
Surrogate			Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	115	%	72 - 135		
Toluene-d8 (Surr)	102	%	80 - 120		
4-Bromofluorobenzene (Surr)	95	%	77 - 120		

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-23216-1

Client Sample ID: MW9
Lab Sample ID: 500-23216-9

Date Sampled: 12/18/2009 1107
Date Received: 12/19/2009 0900
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Surrogate				Acceptance Limits	
Dibromofluoromethane	105	%		79 - 133	

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-23216-1

Client Sample ID: F.B.
Lab Sample ID: 500-23216-10

Date Sampled: 12/17/2009 1455
Date Received: 12/19/2009 0900
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B			Date Analyzed:	12/24/2009 2006	
Prep Method: 5030B			Date Prepared:	12/24/2009 2006	
Benzene	<5.0	ug/L	0.15	5.0	1.0
Chloromethane	<5.0	ug/L	0.14	5.0	1.0
Vinyl chloride	<2.0	ug/L	0.15	2.0	1.0
Bromomethane	<5.0	ug/L	0.45	5.0	1.0
Chloroethane	<5.0	ug/L	0.36	5.0	1.0
1,1-Dichloroethene	<5.0	ug/L	0.23	5.0	1.0
Carbon disulfide	<5.0	ug/L	0.66	5.0	1.0
Acetone	<20	ug/L	2.1	20	1.0
Methylene Chloride	<10	ug/L	0.52	10	1.0
trans-1,2-Dichloroethene	<5.0	ug/L	0.18	5.0	1.0
1,1-Dichloroethane	<5.0	ug/L	0.12	5.0	1.0
cis-1,2-Dichloroethene	<5.0	ug/L	0.15	5.0	1.0
Methyl Ethyl Ketone	<20	ug/L	2.8	20	1.0
Chloroform	<5.0	ug/L	0.15	5.0	1.0
1,1,1-Trichloroethane	<5.0	ug/L	0.14	5.0	1.0
Carbon tetrachloride	<5.0	ug/L	0.32	5.0	1.0
1,2-Dichloroethane	<5.0	ug/L	0.14	5.0	1.0
Trichloroethene	<5.0	ug/L	0.16	5.0	1.0
1,2-Dichloropropane	<5.0	ug/L	0.19	5.0	1.0
Bromodichloromethane	<5.0	ug/L	0.13	5.0	1.0
cis-1,3-Dichloropropene	<5.0	ug/L	0.16	5.0	1.0
methyl isobutyl ketone	<20	ug/L	0.77	20	1.0
Toluene	<5.0	ug/L	0.17	5.0	1.0
trans-1,3-Dichloropropene	<5.0	ug/L	0.21	5.0	1.0
1,1,2-Trichloroethane	<5.0	ug/L	0.22	5.0	1.0
Tetrachloroethene	<5.0	ug/L	0.20	5.0	1.0
2-Hexanone	<20	ug/L	0.77	20	1.0
Dibromochloromethane	<5.0	ug/L	0.17	5.0	1.0
Chlorobenzene	<5.0	ug/L	0.17	5.0	1.0
Ethylbenzene	<5.0	ug/L	0.22	5.0	1.0
Styrene	<5.0	ug/L	0.17	5.0	1.0
Bromoform	<5.0	ug/L	0.30	5.0	1.0
1,1,2,2-Tetrachloroethane	<5.0	ug/L	0.27	5.0	1.0
Xylenes, Total	<5.0	ug/L	0.42	5.0	1.0
Surrogate			Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	127	%	72 - 135		
Toluene-d8 (Surr)	101	%	80 - 120		
4-Bromofluorobenzene (Surr)	88	%	77 - 120		

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-23216-1

Client Sample ID: F.B.
Lab Sample ID: 500-23216-10

Date Sampled: 12/17/2009 1455
Date Received: 12/19/2009 0900
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Surrogate				Acceptance Limits	
Dibromofluoromethane	120	%		79 - 133	

DATA REPORTING QUALIFIERS

Client: Environmental Information Logistics (EIL

Job Number: 500-23216-1

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	E	Result exceeded calibration range.
	*	RPD of the LCS and LCSD exceeds the control limits

QUALITY CONTROL RESULTS

Quality Control Results

Client: Environmental Information Logistics (EIL

Job Number: 500-23216-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:500-78136					
LCS 500-78136/5	Lab Control Sample	T	Water	8260B	
LCSD 500-78136/6	Lab Control Sample Duplicate	T	Water	8260B	
MB 500-78136/4	Method Blank	T	Water	8260B	
500-23216-1	MW1	T	Water	8260B	
500-23216-1DL	MW1	T	Water	8260B	
500-23216-1MS	Matrix Spike	T	Water	8260B	
500-23216-1MSD	Matrix Spike Duplicate	T	Water	8260B	
500-23216-2	MW2	T	Water	8260B	
500-23216-2DL	MW2	T	Water	8260B	
500-23216-3	MW3	T	Water	8260B	
500-23216-3DL	MW3	T	Water	8260B	
500-23216-4	MW4	T	Water	8260B	
500-23216-4DL	MW4	T	Water	8260B	
500-23216-5	MW5	T	Water	8260B	
500-23216-6	MW6	T	Water	8260B	
500-23216-6DL	MW6	T	Water	8260B	
500-23216-7	MW7	T	Water	8260B	
500-23216-7DL	MW7	T	Water	8260B	
500-23216-8	MW8	T	Water	8260B	
500-23216-10	F.B.	T	Water	8260B	
Analysis Batch:500-78199					
LCS 500-78199/5	Lab Control Sample	T	Water	8260B	
MB 500-78199/4	Method Blank	T	Water	8260B	
500-23216-5DL	MW5	T	Water	8260B	
500-23216-9	MW9	T	Water	8260B	

Report Basis

T = Total

Client: Environmental Information Logistics (EIL)

Job Number: 500-23216-1

Surrogate Recovery Report**8260B Volatile Organic Compounds (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec	DBFM %Rec
500-23216-1	MW1	122	101	95	113
500-23216-1 DL	MW1 DL	123	101	92	114
500-23216-2	MW2	121	100	89	112
500-23216-2 DL	MW2 DL	126	102	87	115
500-23216-3	MW3	127	101	88	116
500-23216-3 DL	MW3 DL	125	101	89	118
500-23216-4	MW4	123	101	90	115
500-23216-4 DL	MW4 DL	128	99	87	116
500-23216-5 DL	MW5 DL	117	104	89	103
500-23216-5	MW5	126	103	88	117
500-23216-6	MW6	124	101	90	114
500-23216-6 DL	MW6 DL	129	101	87	115
500-23216-7	MW7	127	101	88	116
500-23216-7 DL	MW7 DL	124	101	87	117
500-23216-8	MW8	129	103	88	117
500-23216-9	MW9	115	102	95	105
500-23216-10	F.B.	127	101	88	120
MB 500-78136/4		115	101	91	109
MB 500-78199/4		112	101	90	101
LCS 500-78136/5		117	106	101	108
LCS 500-78199/5		116	100	111	103
LCSD 500-78136/6		113	105	99	107
500-23216-1 MS	MW1 MS	119	106	99	113
500-23216-1 MSD	MW1 MSD	116	104	99	110

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	72-135
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	77-120
DBFM = Dibromofluoromethane	79-133

Quality Control Results

Client: Environmental Information Logistics (EIL)

Job Number: 500-23216-1

Method Blank - Batch: 500-78136

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 500-78136/4

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 12/24/2009 1217

Date Prepared: 12/24/2009 1217

Analysis Batch: 500-78136

Prep Batch: N/A

Units: ug/L

Instrument ID: Agilent 6890A GC - 5973 M

Lab File ID: 22M1224.D

Initial Weight/Volume: 10 mL

Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	RL
Benzene	<5.0		0.15	5.0
Chloromethane	<5.0		0.14	5.0
Vinyl chloride	<2.0		0.15	2.0
Bromomethane	<5.0		0.45	5.0
Chloroethane	<5.0		0.36	5.0
1,1-Dichloroethene	<5.0		0.23	5.0
Carbon disulfide	<5.0		0.66	5.0
Acetone	<20		2.1	20
Methylene Chloride	<10		0.52	10
trans-1,2-Dichloroethene	<5.0		0.18	5.0
1,1-Dichloroethane	<5.0		0.12	5.0
cis-1,2-Dichloroethene	<5.0		0.15	5.0
Methyl Ethyl Ketone	<20		2.8	20
Chloroform	<5.0		0.15	5.0
1,1,1-Trichloroethane	<5.0		0.14	5.0
Carbon tetrachloride	<5.0		0.32	5.0
1,2-Dichloroethane	<5.0		0.14	5.0
Trichloroethene	<5.0		0.16	5.0
1,2-Dichloropropane	<5.0		0.19	5.0
Bromodichloromethane	<5.0		0.13	5.0
cis-1,3-Dichloropropene	<5.0		0.16	5.0
methyl isobutyl ketone	<20		0.77	20
Toluene	<5.0		0.17	5.0
trans-1,3-Dichloropropene	<5.0		0.21	5.0
1,1,2-Trichloroethane	<5.0		0.22	5.0
Tetrachloroethene	<5.0		0.20	5.0
2-Hexanone	<20		0.77	20
Dibromochloromethane	<5.0		0.17	5.0
Chlorobenzene	<5.0		0.17	5.0
Ethylbenzene	<5.0		0.22	5.0
Styrene	<5.0		0.17	5.0
Bromoform	<5.0		0.30	5.0
1,1,2,2-Tetrachloroethane	<5.0		0.27	5.0
Xylenes, Total	<5.0		0.42	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115	72 - 135
Toluene-d8 (Surr)	101	80 - 120
4-Bromofluorobenzene (Surr)	91	77 - 120
Dibromofluoromethane	109	79 - 133

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Environmental Information Logistics (EIL)

Job Number: 500-23216-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 500-78136**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 500-78136/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/24/2009 1237
Date Prepared: 12/24/2009 1237

Analysis Batch: 500-78136
Prep Batch: N/A
Units: ug/L

Instrument ID: Agilent 6890A GC - 5973 M
Lab File ID: 22S1224.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 500-78136/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/24/2009 2235
Date Prepared: 12/24/2009 2235

Analysis Batch: 500-78136
Prep Batch: N/A
Units: ug/L

Instrument ID: Agilent 6890A GC - 5973
Lab File ID: 22T1224.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	105	104	70 - 120	1	20		
Chloromethane	90	95	56 - 133	6	20		
Vinyl chloride	82	88	75 - 158	8	20		
Bromomethane	115	120	56 - 154	4	20		
Chloroethane	100	100	60 - 144	1	20		
1,1-Dichloroethene	82	80	55 - 129	2	20		
Carbon disulfide	66	63	31 - 146	4	20		
Acetone	94	72	29 - 152	27	20		*
Methylene Chloride	86	85	63 - 128	1	20		
trans-1,2-Dichloroethene	98	100	66 - 120	2	20		
1,1-Dichloroethane	94	96	65 - 120	2	20		
cis-1,2-Dichloroethene	90	93	72 - 123	4	20		
Methyl Ethyl Ketone	88	83	47 - 138	5	20		
Chloroform	105	104	70 - 120	1	20		
1,1,1-Trichloroethane	105	101	64 - 122	3	20		
Carbon tetrachloride	114	109	62 - 122	4	20		
1,2-Dichloroethane	111	106	62 - 120	4	20		
Trichloroethene	95	92	71 - 120	3	20		
1,2-Dichloropropane	92	92	75 - 120	0	20		
Bromodichloromethane	102	97	74 - 120	5	20		
cis-1,3-Dichloropropene	93	90	65 - 120	3	20		
methyl isobutyl ketone	76	85	59 - 120	12	20		
Toluene	108	106	72 - 120	2	20		
trans-1,3-Dichloropropene	88	86	59 - 120	2	20		
1,1,2-Trichloroethane	104	103	68 - 126	1	20		
Tetrachloroethene	96	95	70 - 120	1	20		
2-Hexanone	80	79	56 - 120	1	20		
Dibromochloromethane	89	88	64 - 120	1	20		
Chlorobenzene	101	100	75 - 120	1	20		
Ethylbenzene	98	96	76 - 120	2	20		
Styrene	100	98	76 - 120	1	20		
Bromoform	89	83	58 - 120	7	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Environmental Information Logistics (EIL)

Job Number: 500-23216-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 500-78136**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 500-78136/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/24/2009 1237
Date Prepared: 12/24/2009 1237

Analysis Batch: 500-78136
Prep Batch: N/A
Units: ug/L

Instrument ID: Agilent 6890A GC - 5973 M
Lab File ID: 22S1224.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 500-78136/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/24/2009 2235
Date Prepared: 12/24/2009 2235

Analysis Batch: 500-78136
Prep Batch: N/A
Units: ug/L

Instrument ID: Agilent 6890A GC - 5973
Lab File ID: 22T1224.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,1,2,2-Tetrachloroethane	100	103	69 - 120	4	20		
Xylenes, Total	108	105	74 - 120	3	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	117		113		72 - 135		
Toluene-d8 (Surr)	106		105		80 - 120		
4-Bromofluorobenzene (Surr)	101		99		77 - 120		
Dibromofluoromethane	108		107		79 - 133		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Environmental Information Logistics (EIL)

Job Number: 500-23216-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 500-78136

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 500-23216-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/24/2009 2153
Date Prepared: 12/24/2009 2153

Analysis Batch: 500-78136
Prep Batch: N/A

Instrument ID: Agilent 6890A GC - 5973
Lab File ID: 23216-01S.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 500-23216-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/24/2009 2214
Date Prepared: 12/24/2009 2214

Analysis Batch: 500-78136
Prep Batch: N/A

Instrument ID: Agilent 6890A GC - 5973 M
Lab File ID: 23216-01T.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	111	96	70 - 120	15	20		
Chloromethane	93	94	56 - 133	0	20		
Vinyl chloride	96	93	75 - 158	2	20		
Bromomethane	128	118	56 - 154	8	20		
Chloroethane	107	106	60 - 144	1	20		
1,1-Dichloroethene	90	71	55 - 129	15	20		
Carbon disulfide	71	60	31 - 146	17	20		
Acetone	75	68	29 - 152	10	20		
Methylene Chloride	95	79	63 - 128	19	20		
trans-1,2-Dichloroethene	106	91	66 - 120	15	20		
1,1-Dichloroethane	113	95	65 - 120	11	20		
cis-1,2-Dichloroethene	186	114	72 - 123	10	20	E 4	E 4
Methyl Ethyl Ketone	92	77	47 - 138	17	20		
Chloroform	115	97	70 - 120	16	20		
1,1,1-Trichloroethane	111	89	64 - 122	16	20		
Carbon tetrachloride	120	103	62 - 122	16	20		
1,2-Dichloroethane	123	103	62 - 120	18	20	F	
Trichloroethene	46	23	71 - 120	9	20	F	F
1,2-Dichloropropane	98	85	75 - 120	14	20		
Bromodichloromethane	108	90	74 - 120	19	20		
cis-1,3-Dichloropropene	92	80	65 - 120	14	20		
methyl isobutyl ketone	83	73	59 - 120	13	20		
Toluene	113	96	72 - 120	16	20		
trans-1,3-Dichloropropene	93	79	59 - 120	16	20		
1,1,2-Trichloroethane	114	96	68 - 126	17	20		
Tetrachloroethene	96	81	70 - 120	14	20		
2-Hexanone	79	72	56 - 120	10	20		
Dibromochloromethane	96	82	64 - 120	16	20		
Chlorobenzene	106	91	75 - 120	15	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Environmental Information Logistics (EIL)

Job Number: 500-23216-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 500-78136

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 500-23216-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/24/2009 2153
Date Prepared: 12/24/2009 2153

Analysis Batch: 500-78136
Prep Batch: N/A

Instrument ID: Agilent 6890A GC - 5973
Lab File ID: 23216-01S.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 500-23216-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/24/2009 2214
Date Prepared: 12/24/2009 2214

Analysis Batch: 500-78136
Prep Batch: N/A

Instrument ID: Agilent 6890A GC - 5973 M
Lab File ID: 23216-01T.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Ethylbenzene	103	87	76 - 120	17	20		
Styrene	107	91	76 - 120	17	20		
Bromoform	94	78	58 - 120	19	20		
1,1,2,2-Tetrachloroethane	109	95	69 - 120	14	20		
Xylenes, Total	113	96	74 - 120	16	20		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
1,2-Dichloroethane-d4 (Surr)	119		116	72 - 135			
Toluene-d8 (Surr)	106		104	80 - 120			
4-Bromofluorobenzene (Surr)	99		99	77 - 120			
Dibromofluoromethane	113		110	79 - 133			

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Environmental Information Logistics (EIL)

Job Number: 500-23216-1

Method Blank - Batch: 500-78199

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 500-78199/4

Analysis Batch: 500-78199

Instrument ID: Agilent 6890N GC - 5973N

Client Matrix: Water

Prep Batch: N/A

Lab File ID: 2M1229A.D

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 10 mL

Date Analyzed: 12/29/2009 1013

Final Weight/Volume: 10 mL

Date Prepared: 12/29/2009 1013

Analyte	Result	Qual	MDL	RL
Benzene	<5.0		0.15	5.0
Chloromethane	<5.0		0.14	5.0
Vinyl chloride	<2.0		0.15	2.0
Bromomethane	<5.0		0.45	5.0
Chloroethane	<5.0		0.36	5.0
1,1-Dichloroethene	<5.0		0.23	5.0
Carbon disulfide	<5.0		0.66	5.0
Acetone	<20		2.1	20
Methylene Chloride	<10		0.52	10
trans-1,2-Dichloroethene	<5.0		0.18	5.0
1,1-Dichloroethane	<5.0		0.12	5.0
cis-1,2-Dichloroethene	<5.0		0.15	5.0
Methyl Ethyl Ketone	<20		2.8	20
Chloroform	<5.0		0.15	5.0
1,1,1-Trichloroethane	<5.0		0.14	5.0
Carbon tetrachloride	<5.0		0.32	5.0
1,2-Dichloroethane	<5.0		0.14	5.0
Trichloroethene	<5.0		0.16	5.0
1,2-Dichloropropane	<5.0		0.19	5.0
Bromodichloromethane	<5.0		0.13	5.0
cis-1,3-Dichloropropene	<5.0		0.16	5.0
methyl isobutyl ketone	<20		0.77	20
Toluene	<5.0		0.17	5.0
trans-1,3-Dichloropropene	<5.0		0.21	5.0
1,1,2-Trichloroethane	<5.0		0.22	5.0
Tetrachloroethene	<5.0		0.20	5.0
2-Hexanone	<20		0.77	20
Dibromochloromethane	<5.0		0.17	5.0
Chlorobenzene	<5.0		0.17	5.0
Ethylbenzene	<5.0		0.22	5.0
Styrene	<5.0		0.17	5.0
Bromoform	<5.0		0.30	5.0
1,1,2,2-Tetrachloroethane	<5.0		0.27	5.0
Xylenes, Total	<5.0		0.42	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112	72 - 135
Toluene-d8 (Surr)	101	80 - 120
4-Bromofluorobenzene (Surr)	90	77 - 120
Dibromofluoromethane	101	79 - 133

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Environmental Information Logistics (EIL)

Job Number: 500-23216-1

Lab Control Sample - Batch: 500-78199

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 500-78199/5

Analysis Batch: 500-78199

Instrument ID: Agilent 6890N GC - 5973N

Client Matrix: Water

Prep Batch: N/A

Lab File ID: 2S1229A.D

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 10 mL

Date Analyzed: 12/29/2009 1037

Final Weight/Volume: 10 mL

Date Prepared: 12/29/2009 1037

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	25.0	21.9	88	70 - 120	
Chloromethane	25.0	18.0	72	56 - 133	
Vinyl chloride	25.0	20.9	84	75 - 158	
Bromomethane	25.0	33.2	133	56 - 154	
Chloroethane	25.0	26.3	105	60 - 144	
1,1-Dichloroethene	25.0	20.8	83	55 - 129	
Carbon disulfide	25.0	16.2	65	31 - 146	
Acetone	25.0	21.0	84	29 - 152	
Methylene Chloride	25.0	19.5	78	63 - 128	
trans-1,2-Dichloroethene	25.0	20.1	80	66 - 120	
1,1-Dichloroethane	25.0	20.0	80	65 - 120	
cis-1,2-Dichloroethene	25.0	19.3	77	72 - 123	
Methyl Ethyl Ketone	25.0	<20	74	47 - 138	
Chloroform	25.0	21.5	86	70 - 120	
1,1,1-Trichloroethane	25.0	26.1	104	64 - 122	
Carbon tetrachloride	25.0	33.7	135	62 - 122	*
1,2-Dichloroethane	25.0	25.2	101	62 - 120	
Trichloroethene	25.0	25.2	101	71 - 120	
1,2-Dichloropropane	25.0	20.7	83	75 - 120	
Bromodichloromethane	25.0	24.3	97	74 - 120	
cis-1,3-Dichloropropene	26.9	18.4	69	65 - 120	
methyl isobutyl ketone	25.0	<20	61	59 - 120	
Toluene	25.0	21.9	87	72 - 120	
trans-1,3-Dichloropropene	24.3	20.0	82	59 - 120	
1,1,2-Trichloroethane	25.0	17.9	71	68 - 126	
Tetrachloroethene	25.0	24.4	98	70 - 120	
2-Hexanone	25.0	<20	60	56 - 120	
Dibromochloromethane	25.0	23.2	93	64 - 120	
Chlorobenzene	25.0	22.1	88	75 - 120	
Ethylbenzene	25.0	22.8	91	76 - 120	
Styrene	25.0	22.7	91	76 - 120	
Bromoform	25.0	25.5	102	58 - 120	
1,1,2,2-Tetrachloroethane	25.0	19.5	78	69 - 120	
Xylenes, Total	75.0	72.0	96	74 - 120	
Surrogate	% Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	116		72 - 135		
Toluene-d8 (Surr)	100		80 - 120		
4-Bromofluorobenzene (Surr)	111		77 - 120		
Dibromofluoromethane	103		79 - 133		

Calculations are performed before rounding to avoid round-off errors in calculated results.

THE LEADER IN ENVIRONMENTAL TESTING

**EFFECTIVE 7/1/09 OUR
NEW ZIP CODE IS 60484**

12/30/2007

25

TEL: 4124-500 (7006)

Login Sample Receipt Check List

Client: Environmental Information Logistics (EIL

Job Number: 500-23216-1

Login Number: 23216

List Source: TestAmerica Chicago

Creator: Lunt, Jeff T

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	2.3
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

ANALYTICAL REPORT

Job Number: 500-26320-1

Job Description: Interstate Pollution Control Site

For:
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511
Attention: Ms. Mary Pearson



Approved for release.
Richard C Wright
Project Manager II
6/30/2010 11:17 AM

Richard C Wright
Project Manager II
richard.wright@testamericainc.com
06/30/2010

These test results meet all the requirements of NELAC for accredited parameters.

The Lab Certification ID#:
TestAmerica Chicago 100201

All questions regarding this test report should be directed to the TestAmerica Project Manager whose signature appears on this report. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

TestAmerica Laboratories, Inc.

TestAmerica Chicago 2417 Bond Street, University Park, IL 60484
Tel (708) 534-5200 Fax (708) 534-5211 www.testamericainc.com



Job Narrative
500-26320-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: Due to the high concentration of Trichloroethene, the matrix spike / matrix spike duplicate (MS/MSD) for batch 88631 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 88631 were outside control limits for Cis-1,2-Dichloroethene, 1,1,1-Trichloroethane, Tetrachloroethene, Styrene, and Xylenes. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: Environmental Information Logistics (EIL

Job Number: 500-26320-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
500-26320-1 IPC GW MW1					
Vinyl chloride		16	2.0	ug/L	8260B
1,1-Dichloroethene		11	5.0	ug/L	8260B
1,1-Dichloroethane		16	5.0	ug/L	8260B
cis-1,2-Dichloroethene		130	25	ug/L	8260B
Trichloroethene		20	5.0	ug/L	8260B
500-26320-2 IPC GW MW2					
1,1-Dichloroethene		23	5.0	ug/L	8260B
cis-1,2-Dichloroethene		58	5.0	ug/L	8260B
1,1,1-Trichloroethane		22	5.0	ug/L	8260B
Trichloroethene		200	25	ug/L	8260B
Tetrachloroethene		33	5.0	ug/L	8260B
500-26320-3 IPC GW MW3					
1,1-Dichloroethene		23	5.0	ug/L	8260B
1,1-Dichloroethane		5.2	5.0	ug/L	8260B
cis-1,2-Dichloroethene		56	5.0	ug/L	8260B
1,1,1-Trichloroethane		24	5.0	ug/L	8260B
Trichloroethene		210	25	ug/L	8260B
Tetrachloroethene		40	5.0	ug/L	8260B
500-26320-4 IPC GW MW4					
Vinyl chloride		76	2.0	ug/L	8260B
1,1-Dichloroethene		11	5.0	ug/L	8260B
1,1-Dichloroethane		20	5.0	ug/L	8260B
cis-1,2-Dichloroethene		150	25	ug/L	8260B
1,1,1-Trichloroethane		17	5.0	ug/L	8260B
500-26320-5 IPC GW MW5					
Vinyl chloride		5.7	2.0	ug/L	8260B
1,1-Dichloroethene		23	5.0	ug/L	8260B
1,1-Dichloroethane		5.5	5.0	ug/L	8260B
cis-1,2-Dichloroethene		120	25	ug/L	8260B
1,1,1-Trichloroethane		27	5.0	ug/L	8260B
Trichloroethene		160	25	ug/L	8260B
Tetrachloroethene		37	5.0	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: Environmental Information Logistics (EIL

Job Number: 500-26320-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
500-26320-6					
IPC GW MW6					
Vinyl chloride		25	2.0	ug/L	8260B
1,1-Dichloroethene		25	5.0	ug/L	8260B
1,1-Dichloroethane		5.9	5.0	ug/L	8260B
cis-1,2-Dichloroethene		180	25	ug/L	8260B
1,1,1-Trichloroethane		31	5.0	ug/L	8260B
Trichloroethene		95	5.0	ug/L	8260B
Tetrachloroethene		24	5.0	ug/L	8260B
500-26320-7					
IPC GW MW7					
Vinyl chloride		16	2.0	ug/L	8260B
1,1-Dichloroethene		11	5.0	ug/L	8260B
1,1-Dichloroethane		16	5.0	ug/L	8260B
cis-1,2-Dichloroethene		150	25	ug/L	8260B
1,1,1-Trichloroethane		5.0	5.0	ug/L	8260B
Trichloroethene		19	5.0	ug/L	8260B
500-26320-8					
IPC GW MW8					
cis-1,2-Dichloroethene		10	5.0	ug/L	8260B
Trichloroethene		29	5.0	ug/L	8260B

METHOD SUMMARY

Client: Environmental Information Logistics (EIL

Job Number: 500-26320-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL CHI	SW846 8260B	
Purge and Trap	TAL CHI		SW846 5030B

Lab References:

TAL CHI = TestAmerica Chicago

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Environmental Information Logistics (EIL

Job Number: 500-26320-1

Method	Analyst	Analyst ID
SW846 8260B	Drabek, Dave J	DJD

SAMPLE SUMMARY

Client: Environmental Information Logistics (EIL

Job Number: 500-26320-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
500-26320-1	IPC GW MW1	Water	06/24/2010 1022	06/25/2010 1000
500-26320-2	IPC GW MW2	Water	06/24/2010 1044	06/25/2010 1000
500-26320-2MS	IPC GW MW2	Water	06/24/2010 1044	06/25/2010 1000
500-26320-2MSD	IPC GW MW2	Water	06/24/2010 1044	06/25/2010 1000
500-26320-3	IPC GW MW3	Water	06/24/2010 1133	06/25/2010 1000
500-26320-4	IPC GW MW4	Water	06/24/2010 1220	06/25/2010 1000
500-26320-5	IPC GW MW5	Water	06/24/2010 1323	06/25/2010 1000
500-26320-6	IPC GW MW6	Water	06/24/2010 1249	06/25/2010 1000
500-26320-7	IPC GW MW7	Water	06/24/2010 0930	06/25/2010 1000
500-26320-8	IPC GW MW8	Water	06/24/2010 1426	06/25/2010 1000
500-26320-9	IPC GW MW9	Water	06/24/2010 1442	06/25/2010 1000
500-26320-10	IPC FB	Water	06/24/2010 1500	06/25/2010 1000

SAMPLE RESULTS

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-26320-1

Client Sample ID: IPC GW MW1
Lab Sample ID: 500-26320-1

Date Sampled: 06/24/2010 1022
Date Received: 06/25/2010 1000
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B			Date Analyzed: 06/28/2010 1017		
Prep Method: 5030B			Date Prepared: 06/28/2010 1017		
Benzene	<5.0	ug/L	0.17	5.0	1.0
Chloromethane	<5.0	ug/L	0.24	5.0	1.0
Vinyl chloride	16	ug/L	0.20	2.0	1.0
Bromomethane	<5.0	ug/L	0.38	5.0	1.0
Chloroethane	<5.0	ug/L	0.36	5.0	1.0
1,1-Dichloroethene	11	ug/L	0.19	5.0	1.0
Carbon disulfide	<5.0	ug/L	0.55	5.0	1.0
Acetone	<20	ug/L	1.6	20	1.0
Methylene Chloride	<10	ug/L	0.67	10	1.0
trans-1,2-Dichloroethene	<5.0	ug/L	0.32	5.0	1.0
1,1-Dichloroethane	16	ug/L	0.25	5.0	1.0
Methyl Ethyl Ketone	<20	ug/L	2.3	20	1.0
Chloroform	<5.0	ug/L	0.15	5.0	1.0
1,1,1-Trichloroethane	<5.0	ug/L	0.18	5.0	1.0
Carbon tetrachloride	<5.0	ug/L	0.25	5.0	1.0
1,2-Dichloroethane	<5.0	ug/L	0.24	5.0	1.0
Trichloroethene	20	ug/L	0.24	5.0	1.0
1,2-Dichloropropane	<5.0	ug/L	0.21	5.0	1.0
Bromodichloromethane	<5.0	ug/L	0.19	5.0	1.0
cis-1,3-Dichloropropene	<5.0	ug/L	0.17	5.0	1.0
methyl isobutyl ketone	<20	ug/L	0.84	20	1.0
Toluene	<5.0	ug/L	0.19	5.0	1.0
trans-1,3-Dichloropropene	<5.0	ug/L	0.24	5.0	1.0
1,1,2-Trichloroethane	<5.0	ug/L	0.26	5.0	1.0
Tetrachloroethene	<5.0	ug/L	0.22	5.0	1.0
2-Hexanone	<20	ug/L	0.80	20	1.0
Dibromochloromethane	<5.0	ug/L	0.25	5.0	1.0
Chlorobenzene	<5.0	ug/L	0.17	5.0	1.0
Ethylbenzene	<5.0	ug/L	0.18	5.0	1.0
Styrene	<5.0	ug/L	0.15	5.0	1.0
Bromoform	<5.0	ug/L	0.42	5.0	1.0
1,1,2,2-Tetrachloroethane	<5.0	ug/L	0.29	5.0	1.0
Xylenes, Total	<5.0	ug/L	0.32	5.0	1.0
Surrogate			Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	98	%	80 - 129		
Toluene-d8 (Surr)	106	%	80 - 115		
4-Bromofluorobenzene (Surr)	96	%	80 - 115		
Dibromofluoromethane	95	%	80 - 124		

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-26320-1

Client Sample ID: IPC GW MW1
Lab Sample ID: 500-26320-1

Date Sampled: 06/24/2010 1022
Date Received: 06/25/2010 1000
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B Run Type: DL		Date Analyzed: 06/28/2010 1105			
Prep Method: 5030B		Date Prepared: 06/28/2010 1105			
cis-1,2-Dichloroethene	130	ug/L	1.4	25	5.0
Surrogate	Acceptance Limits				
1,2-Dichloroethane-d4 (Surr)	98	%	80 - 129		
Toluene-d8 (Surr)	104	%	80 - 115		
4-Bromofluorobenzene (Surr)	90	%	80 - 115		
Dibromofluoromethane	98	%	80 - 124		

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-26320-1

Client Sample ID: IPC GW MW2
Lab Sample ID: 500-26320-2

Date Sampled: 06/24/2010 1044
Date Received: 06/25/2010 1000
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B		Date Analyzed: 06/28/2010 1130			
Prep Method: 5030B		Date Prepared: 06/28/2010 1130			
Benzene	<5.0	ug/L	0.17	5.0	1.0
Chloromethane	<5.0	ug/L	0.24	5.0	1.0
Vinyl chloride	<2.0	ug/L	0.20	2.0	1.0
Bromomethane	<5.0	ug/L	0.38	5.0	1.0
Chloroethane	<5.0	ug/L	0.36	5.0	1.0
1,1-Dichloroethene	23	ug/L	0.19	5.0	1.0
Carbon disulfide	<5.0	ug/L	0.55	5.0	1.0
Acetone	<20	ug/L	1.6	20	1.0
Methylene Chloride	<10	ug/L	0.67	10	1.0
trans-1,2-Dichloroethene	<5.0	ug/L	0.32	5.0	1.0
1,1-Dichloroethane	<5.0	ug/L	0.25	5.0	1.0
cis-1,2-Dichloroethene	58	ug/L	0.27	5.0	1.0
Methyl Ethyl Ketone	<20	ug/L	2.3	20	1.0
Chloroform	<5.0	ug/L	0.15	5.0	1.0
1,1,1-Trichloroethane	22	ug/L	0.18	5.0	1.0
Carbon tetrachloride	<5.0	ug/L	0.25	5.0	1.0
1,2-Dichloroethane	<5.0	ug/L	0.24	5.0	1.0
1,2-Dichloropropane	<5.0	ug/L	0.21	5.0	1.0
Bromodichloromethane	<5.0	ug/L	0.19	5.0	1.0
cis-1,3-Dichloropropene	<5.0	ug/L	0.17	5.0	1.0
methyl isobutyl ketone	<20	ug/L	0.84	20	1.0
Toluene	<5.0	ug/L	0.19	5.0	1.0
trans-1,3-Dichloropropene	<5.0	ug/L	0.24	5.0	1.0
1,1,2-Trichloroethane	<5.0	ug/L	0.26	5.0	1.0
Tetrachloroethene	33	ug/L	0.22	5.0	1.0
2-Hexanone	<20	ug/L	0.80	20	1.0
Dibromochloromethane	<5.0	ug/L	0.25	5.0	1.0
Chlorobenzene	<5.0	ug/L	0.17	5.0	1.0
Ethylbenzene	<5.0	ug/L	0.18	5.0	1.0
Styrene	<5.0	ug/L	0.15	5.0	1.0
Bromoform	<5.0	ug/L	0.42	5.0	1.0
1,1,2,2-Tetrachloroethane	<5.0	ug/L	0.29	5.0	1.0
Xylenes, Total	<5.0	ug/L	0.32	5.0	1.0
Surrogate			Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	105	%	80 - 129		
Toluene-d8 (Surr)	109	%	80 - 115		
4-Bromofluorobenzene (Surr)	95	%	80 - 115		
Dibromofluoromethane	103	%	80 - 124		

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-26320-1

Client Sample ID: IPC GW MW2
Lab Sample ID: 500-26320-2

Date Sampled: 06/24/2010 1044
Date Received: 06/25/2010 1000
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B Run Type: DL		Date Analyzed: 06/28/2010 1154			
Prep Method: 5030B		Date Prepared: 06/28/2010 1154			
Trichloroethene	200	ug/L	1.2	25	5.0
Surrogate	Acceptance Limits				
1,2-Dichloroethane-d4 (Surr)	101	%	80 - 129		
Toluene-d8 (Surr)	105	%	80 - 115		
4-Bromofluorobenzene (Surr)	92	%	80 - 115		
Dibromofluoromethane	100	%	80 - 124		

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-26320-1

Client Sample ID: IPC GW MW3
Lab Sample ID: 500-26320-3

Date Sampled: 06/24/2010 1133
Date Received: 06/25/2010 1000
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B		Date Analyzed: 06/28/2010 1308			
Prep Method: 5030B		Date Prepared: 06/28/2010 1308			
Benzene	<5.0	ug/L	0.17	5.0	1.0
Chloromethane	<5.0	ug/L	0.24	5.0	1.0
Vinyl chloride	<2.0	ug/L	0.20	2.0	1.0
Bromomethane	<5.0	ug/L	0.38	5.0	1.0
Chloroethane	<5.0	ug/L	0.36	5.0	1.0
1,1-Dichloroethene	23	ug/L	0.19	5.0	1.0
Carbon disulfide	<5.0	ug/L	0.55	5.0	1.0
Acetone	<20	ug/L	1.6	20	1.0
Methylene Chloride	<10	ug/L	0.67	10	1.0
trans-1,2-Dichloroethene	<5.0	ug/L	0.32	5.0	1.0
1,1-Dichloroethane	5.2	ug/L	0.25	5.0	1.0
cis-1,2-Dichloroethene	56	ug/L	0.27	5.0	1.0
Methyl Ethyl Ketone	<20	ug/L	2.3	20	1.0
Chloroform	<5.0	ug/L	0.15	5.0	1.0
1,1,1-Trichloroethane	24	ug/L	0.18	5.0	1.0
Carbon tetrachloride	<5.0	ug/L	0.25	5.0	1.0
1,2-Dichloroethane	<5.0	ug/L	0.24	5.0	1.0
1,2-Dichloropropane	<5.0	ug/L	0.21	5.0	1.0
Bromodichloromethane	<5.0	ug/L	0.19	5.0	1.0
cis-1,3-Dichloropropene	<5.0	ug/L	0.17	5.0	1.0
methyl isobutyl ketone	<20	ug/L	0.84	20	1.0
Toluene	<5.0	ug/L	0.19	5.0	1.0
trans-1,3-Dichloropropene	<5.0	ug/L	0.24	5.0	1.0
1,1,2-Trichloroethane	<5.0	ug/L	0.26	5.0	1.0
Tetrachloroethene	40	ug/L	0.22	5.0	1.0
2-Hexanone	<20	ug/L	0.80	20	1.0
Dibromochloromethane	<5.0	ug/L	0.25	5.0	1.0
Chlorobenzene	<5.0	ug/L	0.17	5.0	1.0
Ethylbenzene	<5.0	ug/L	0.18	5.0	1.0
Styrene	<5.0	ug/L	0.15	5.0	1.0
Bromoform	<5.0	ug/L	0.42	5.0	1.0
1,1,2,2-Tetrachloroethane	<5.0	ug/L	0.29	5.0	1.0
Xylenes, Total	<5.0	ug/L	0.32	5.0	1.0
Surrogate			Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	97	%	80 - 129		
Toluene-d8 (Surr)	102	%	80 - 115		
4-Bromofluorobenzene (Surr)	89	%	80 - 115		
Dibromofluoromethane	98	%	80 - 124		

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-26320-1

Client Sample ID: IPC GW MW3
Lab Sample ID: 500-26320-3

Date Sampled: 06/24/2010 1133
Date Received: 06/25/2010 1000
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B Run Type: DL		Date Analyzed: 06/28/2010 1333			
Prep Method: 5030B		Date Prepared: 06/28/2010 1333			
Trichloroethene	210	ug/L	1.2	25	5.0
Surrogate	Acceptance Limits				
1,2-Dichloroethane-d4 (Surr)	100	%	80 - 129		
Toluene-d8 (Surr)	104	%	80 - 115		
4-Bromofluorobenzene (Surr)	89	%	80 - 115		
Dibromofluoromethane	102	%	80 - 124		

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-26320-1

Client Sample ID: IPC GW MW4
Lab Sample ID: 500-26320-4

Date Sampled: 06/24/2010 1220
Date Received: 06/25/2010 1000
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B		Date Analyzed: 06/28/2010 1357			
Prep Method: 5030B		Date Prepared: 06/28/2010 1357			
Benzene	<5.0	ug/L	0.17	5.0	1.0
Chloromethane	<5.0	ug/L	0.24	5.0	1.0
Vinyl chloride	76	ug/L	0.20	2.0	1.0
Bromomethane	<5.0	ug/L	0.38	5.0	1.0
Chloroethane	<5.0	ug/L	0.36	5.0	1.0
1,1-Dichloroethene	11	ug/L	0.19	5.0	1.0
Carbon disulfide	<5.0	ug/L	0.55	5.0	1.0
Acetone	<20	ug/L	1.6	20	1.0
Methylene Chloride	<10	ug/L	0.67	10	1.0
trans-1,2-Dichloroethene	<5.0	ug/L	0.32	5.0	1.0
1,1-Dichloroethane	20	ug/L	0.25	5.0	1.0
Methyl Ethyl Ketone	<20	ug/L	2.3	20	1.0
Chloroform	<5.0	ug/L	0.15	5.0	1.0
1,1,1-Trichloroethane	17	ug/L	0.18	5.0	1.0
Carbon tetrachloride	<5.0	ug/L	0.25	5.0	1.0
1,2-Dichloroethane	<5.0	ug/L	0.24	5.0	1.0
Trichloroethene	<5.0	ug/L	0.24	5.0	1.0
1,2-Dichloropropane	<5.0	ug/L	0.21	5.0	1.0
Bromodichloromethane	<5.0	ug/L	0.19	5.0	1.0
cis-1,3-Dichloropropene	<5.0	ug/L	0.17	5.0	1.0
methyl isobutyl ketone	<20	ug/L	0.84	20	1.0
Toluene	<5.0	ug/L	0.19	5.0	1.0
trans-1,3-Dichloropropene	<5.0	ug/L	0.24	5.0	1.0
1,1,2-Trichloroethane	<5.0	ug/L	0.26	5.0	1.0
Tetrachloroethene	<5.0	ug/L	0.22	5.0	1.0
2-Hexanone	<20	ug/L	0.80	20	1.0
Dibromochloromethane	<5.0	ug/L	0.25	5.0	1.0
Chlorobenzene	<5.0	ug/L	0.17	5.0	1.0
Ethylbenzene	<5.0	ug/L	0.18	5.0	1.0
Styrene	<5.0	ug/L	0.15	5.0	1.0
Bromoform	<5.0	ug/L	0.42	5.0	1.0
1,1,2,2-Tetrachloroethane	<5.0	ug/L	0.29	5.0	1.0
Xylenes, Total	<5.0	ug/L	0.32	5.0	1.0
Surrogate			Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	103	%	80 - 129		
Toluene-d8 (Surr)	107	%	80 - 115		
4-Bromofluorobenzene (Surr)	94	%	80 - 115		
Dibromofluoromethane	100	%	80 - 124		

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-26320-1

Client Sample ID: IPC GW MW4
Lab Sample ID: 500-26320-4

Date Sampled: 06/24/2010 1220
Date Received: 06/25/2010 1000
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B Run Type: DL		Date Analyzed: 06/28/2010 1421			
Prep Method: 5030B		Date Prepared: 06/28/2010 1421			
cis-1,2-Dichloroethene	150	ug/L	1.4	25	5.0
Surrogate	Acceptance Limits				
1,2-Dichloroethane-d4 (Surr)	103	%	80 - 129		
Toluene-d8 (Surr)	104	%	80 - 115		
4-Bromofluorobenzene (Surr)	91	%	80 - 115		
Dibromofluoromethane	101	%	80 - 124		

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-26320-1

Client Sample ID: IPC GW MW5
Lab Sample ID: 500-26320-5

Date Sampled: 06/24/2010 1323
Date Received: 06/25/2010 1000
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B		Date Analyzed: 06/28/2010 1445			
Prep Method: 5030B		Date Prepared: 06/28/2010 1445			
Benzene	<5.0	ug/L	0.17	5.0	1.0
Chloromethane	<5.0	ug/L	0.24	5.0	1.0
Vinyl chloride	5.7	ug/L	0.20	2.0	1.0
Bromomethane	<5.0	ug/L	0.38	5.0	1.0
Chloroethane	<5.0	ug/L	0.36	5.0	1.0
1,1-Dichloroethene	23	ug/L	0.19	5.0	1.0
Carbon disulfide	<5.0	ug/L	0.55	5.0	1.0
Acetone	<20	ug/L	1.6	20	1.0
Methylene Chloride	<10	ug/L	0.67	10	1.0
trans-1,2-Dichloroethene	<5.0	ug/L	0.32	5.0	1.0
1,1-Dichloroethane	5.5	ug/L	0.25	5.0	1.0
Methyl Ethyl Ketone	<20	ug/L	2.3	20	1.0
Chloroform	<5.0	ug/L	0.15	5.0	1.0
1,1,1-Trichloroethane	27	ug/L	0.18	5.0	1.0
Carbon tetrachloride	<5.0	ug/L	0.25	5.0	1.0
1,2-Dichloroethane	<5.0	ug/L	0.24	5.0	1.0
1,2-Dichloropropane	<5.0	ug/L	0.21	5.0	1.0
Bromodichloromethane	<5.0	ug/L	0.19	5.0	1.0
cis-1,3-Dichloropropene	<5.0	ug/L	0.17	5.0	1.0
methyl isobutyl ketone	<20	ug/L	0.84	20	1.0
Toluene	<5.0	ug/L	0.19	5.0	1.0
trans-1,3-Dichloropropene	<5.0	ug/L	0.24	5.0	1.0
1,1,2-Trichloroethane	<5.0	ug/L	0.26	5.0	1.0
Tetrachloroethene	37	ug/L	0.22	5.0	1.0
2-Hexanone	<20	ug/L	0.80	20	1.0
Dibromochloromethane	<5.0	ug/L	0.25	5.0	1.0
Chlorobenzene	<5.0	ug/L	0.17	5.0	1.0
Ethylbenzene	<5.0	ug/L	0.18	5.0	1.0
Styrene	<5.0	ug/L	0.15	5.0	1.0
Bromoform	<5.0	ug/L	0.42	5.0	1.0
1,1,2,2-Tetrachloroethane	<5.0	ug/L	0.29	5.0	1.0
Xylenes, Total	<5.0	ug/L	0.32	5.0	1.0
Surrogate			Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	97	%	80 - 129		
Toluene-d8 (Surr)	102	%	80 - 115		
4-Bromofluorobenzene (Surr)	90	%	80 - 115		
Dibromofluoromethane	98	%	80 - 124		

Method: 8260B Run Type: DL

Date Analyzed: 06/28/2010 1510

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-26320-1

Client Sample ID: IPC GW MW5
Lab Sample ID: 500-26320-5

Date Sampled: 06/24/2010 1323
Date Received: 06/25/2010 1000
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Prep Method: 5030B		Date Prepared: 06/28/2010 1510			
cis-1,2-Dichloroethene	120	ug/L	1.4	25	5.0
Trichloroethene	160	ug/L	1.2	25	5.0
Surrogate	Acceptance Limits				
1,2-Dichloroethane-d4 (Surr)	99	%	80 - 129		
Toluene-d8 (Surr)	104	%	80 - 115		
4-Bromofluorobenzene (Surr)	90	%	80 - 115		
Dibromofluoromethane	101	%	80 - 124		

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-26320-1

Client Sample ID: IPC GW MW6
Lab Sample ID: 500-26320-6

Date Sampled: 06/24/2010 1249
Date Received: 06/25/2010 1000
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B		Date Analyzed: 06/28/2010 1533			
Prep Method: 5030B		Date Prepared: 06/28/2010 1533			
Benzene	<5.0	ug/L	0.17	5.0	1.0
Chloromethane	<5.0	ug/L	0.24	5.0	1.0
Vinyl chloride	25	ug/L	0.20	2.0	1.0
Bromomethane	<5.0	ug/L	0.38	5.0	1.0
Chloroethane	<5.0	ug/L	0.36	5.0	1.0
1,1-Dichloroethene	25	ug/L	0.19	5.0	1.0
Carbon disulfide	<5.0	ug/L	0.55	5.0	1.0
Acetone	<20	ug/L	1.6	20	1.0
Methylene Chloride	<10	ug/L	0.67	10	1.0
trans-1,2-Dichloroethene	<5.0	ug/L	0.32	5.0	1.0
1,1-Dichloroethane	5.9	ug/L	0.25	5.0	1.0
Methyl Ethyl Ketone	<20	ug/L	2.3	20	1.0
Chloroform	<5.0	ug/L	0.15	5.0	1.0
1,1,1-Trichloroethane	31	ug/L	0.18	5.0	1.0
Carbon tetrachloride	<5.0	ug/L	0.25	5.0	1.0
1,2-Dichloroethane	<5.0	ug/L	0.24	5.0	1.0
Trichloroethene	95	ug/L	0.24	5.0	1.0
1,2-Dichloropropane	<5.0	ug/L	0.21	5.0	1.0
Bromodichloromethane	<5.0	ug/L	0.19	5.0	1.0
cis-1,3-Dichloropropene	<5.0	ug/L	0.17	5.0	1.0
methyl isobutyl ketone	<20	ug/L	0.84	20	1.0
Toluene	<5.0	ug/L	0.19	5.0	1.0
trans-1,3-Dichloropropene	<5.0	ug/L	0.24	5.0	1.0
1,1,2-Trichloroethane	<5.0	ug/L	0.26	5.0	1.0
Tetrachloroethene	24	ug/L	0.22	5.0	1.0
2-Hexanone	<20	ug/L	0.80	20	1.0
Dibromochloromethane	<5.0	ug/L	0.25	5.0	1.0
Chlorobenzene	<5.0	ug/L	0.17	5.0	1.0
Ethylbenzene	<5.0	ug/L	0.18	5.0	1.0
Styrene	<5.0	ug/L	0.15	5.0	1.0
Bromoform	<5.0	ug/L	0.42	5.0	1.0
1,1,2,2-Tetrachloroethane	<5.0	ug/L	0.29	5.0	1.0
Xylenes, Total	<5.0	ug/L	0.32	5.0	1.0
Surrogate			Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	102	%	80 - 129		
Toluene-d8 (Surr)	105	%	80 - 115		
4-Bromofluorobenzene (Surr)	93	%	80 - 115		
Dibromofluoromethane	105	%	80 - 124		

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-26320-1

Client Sample ID: IPC GW MW6
Lab Sample ID: 500-26320-6

Date Sampled: 06/24/2010 1249
Date Received: 06/25/2010 1000
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B			Date Analyzed:	06/28/2010 1557	
Prep Method: 5030B			Date Prepared:	06/28/2010 1557	
cis-1,2-Dichloroethene	180	ug/L	1.4	25	5.0
Surrogate				Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	104	%		80 - 129	
Toluene-d8 (Surr)	107	%		80 - 115	
4-Bromofluorobenzene (Surr)	94	%		80 - 115	
Dibromofluoromethane	108	%		80 - 124	

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-26320-1

Client Sample ID: IPC GW MW7
Lab Sample ID: 500-26320-7

Date Sampled: 06/24/2010 0930
Date Received: 06/25/2010 1000
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B		Date Analyzed: 06/28/2010 1622			
Prep Method: 5030B		Date Prepared: 06/28/2010 1622			
Benzene	<5.0	ug/L	0.17	5.0	1.0
Chloromethane	<5.0	ug/L	0.24	5.0	1.0
Vinyl chloride	16	ug/L	0.20	2.0	1.0
Bromomethane	<5.0	ug/L	0.38	5.0	1.0
Chloroethane	<5.0	ug/L	0.36	5.0	1.0
1,1-Dichloroethene	11	ug/L	0.19	5.0	1.0
Carbon disulfide	<5.0	ug/L	0.55	5.0	1.0
Acetone	<20	ug/L	1.6	20	1.0
Methylene Chloride	<10	ug/L	0.67	10	1.0
trans-1,2-Dichloroethene	<5.0	ug/L	0.32	5.0	1.0
1,1-Dichloroethane	16	ug/L	0.25	5.0	1.0
Methyl Ethyl Ketone	<20	ug/L	2.3	20	1.0
Chloroform	<5.0	ug/L	0.15	5.0	1.0
1,1,1-Trichloroethane	5.0	ug/L	0.18	5.0	1.0
Carbon tetrachloride	<5.0	ug/L	0.25	5.0	1.0
1,2-Dichloroethane	<5.0	ug/L	0.24	5.0	1.0
Trichloroethene	19	ug/L	0.24	5.0	1.0
1,2-Dichloropropane	<5.0	ug/L	0.21	5.0	1.0
Bromodichloromethane	<5.0	ug/L	0.19	5.0	1.0
cis-1,3-Dichloropropene	<5.0	ug/L	0.17	5.0	1.0
methyl isobutyl ketone	<20	ug/L	0.84	20	1.0
Toluene	<5.0	ug/L	0.19	5.0	1.0
trans-1,3-Dichloropropene	<5.0	ug/L	0.24	5.0	1.0
1,1,2-Trichloroethane	<5.0	ug/L	0.26	5.0	1.0
Tetrachloroethene	<5.0	ug/L	0.22	5.0	1.0
2-Hexanone	<20	ug/L	0.80	20	1.0
Dibromochloromethane	<5.0	ug/L	0.25	5.0	1.0
Chlorobenzene	<5.0	ug/L	0.17	5.0	1.0
Ethylbenzene	<5.0	ug/L	0.18	5.0	1.0
Styrene	<5.0	ug/L	0.15	5.0	1.0
Bromoform	<5.0	ug/L	0.42	5.0	1.0
1,1,2,2-Tetrachloroethane	<5.0	ug/L	0.29	5.0	1.0
Xylenes, Total	<5.0	ug/L	0.32	5.0	1.0
Surrogate			Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	104	%	80 - 129		
Toluene-d8 (Surr)	108	%	80 - 115		
4-Bromofluorobenzene (Surr)	99	%	80 - 115		
Dibromofluoromethane	108	%	80 - 124		

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-26320-1

Client Sample ID: IPC GW MW7
Lab Sample ID: 500-26320-7

Date Sampled: 06/24/2010 0930
Date Received: 06/25/2010 1000
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B		Date Analyzed:		06/28/2010 1646	
Prep Method: 5030B		Date Prepared:		06/28/2010 1646	
cis-1,2-Dichloroethene	150	ug/L	1.4	25	5.0
Surrogate		Acceptance Limits			
1,2-Dichloroethane-d4 (Surr)	106	%	80 - 129		
Toluene-d8 (Surr)	109	%	80 - 115		
4-Bromofluorobenzene (Surr)	95	%	80 - 115		
Dibromofluoromethane	112	%	80 - 124		

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-26320-1

Client Sample ID: IPC GW MW8
Lab Sample ID: 500-26320-8

Date Sampled: 06/24/2010 1426
Date Received: 06/25/2010 1000
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B			Date Analyzed:	06/28/2010 1711	
Prep Method: 5030B			Date Prepared:	06/28/2010 1711	
Benzene	<5.0	ug/L	0.17	5.0	1.0
Chloromethane	<5.0	ug/L	0.24	5.0	1.0
Vinyl chloride	<2.0	ug/L	0.20	2.0	1.0
Bromomethane	<5.0	ug/L	0.38	5.0	1.0
Chloroethane	<5.0	ug/L	0.36	5.0	1.0
1,1-Dichloroethene	<5.0	ug/L	0.19	5.0	1.0
Carbon disulfide	<5.0	ug/L	0.55	5.0	1.0
Acetone	<20	ug/L	1.6	20	1.0
Methylene Chloride	<10	ug/L	0.67	10	1.0
trans-1,2-Dichloroethene	<5.0	ug/L	0.32	5.0	1.0
1,1-Dichloroethane	<5.0	ug/L	0.25	5.0	1.0
cis-1,2-Dichloroethene	10	ug/L	0.27	5.0	1.0
Methyl Ethyl Ketone	<20	ug/L	2.3	20	1.0
Chloroform	<5.0	ug/L	0.15	5.0	1.0
1,1,1-Trichloroethane	<5.0	ug/L	0.18	5.0	1.0
Carbon tetrachloride	<5.0	ug/L	0.25	5.0	1.0
1,2-Dichloroethane	<5.0	ug/L	0.24	5.0	1.0
Trichloroethene	29	ug/L	0.24	5.0	1.0
1,2-Dichloropropane	<5.0	ug/L	0.21	5.0	1.0
Bromodichloromethane	<5.0	ug/L	0.19	5.0	1.0
cis-1,3-Dichloropropene	<5.0	ug/L	0.17	5.0	1.0
methyl isobutyl ketone	<20	ug/L	0.84	20	1.0
Toluene	<5.0	ug/L	0.19	5.0	1.0
trans-1,3-Dichloropropene	<5.0	ug/L	0.24	5.0	1.0
1,1,2-Trichloroethane	<5.0	ug/L	0.26	5.0	1.0
Tetrachloroethene	<5.0	ug/L	0.22	5.0	1.0
2-Hexanone	<20	ug/L	0.80	20	1.0
Dibromochloromethane	<5.0	ug/L	0.25	5.0	1.0
Chlorobenzene	<5.0	ug/L	0.17	5.0	1.0
Ethylbenzene	<5.0	ug/L	0.18	5.0	1.0
Styrene	<5.0	ug/L	0.15	5.0	1.0
Bromoform	<5.0	ug/L	0.42	5.0	1.0
1,1,2,2-Tetrachloroethane	<5.0	ug/L	0.29	5.0	1.0
Xylenes, Total	<5.0	ug/L	0.32	5.0	1.0
Surrogate			Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	100	%	80 - 129		
Toluene-d8 (Surr)	105	%	80 - 115		
4-Bromofluorobenzene (Surr)	89	%	80 - 115		

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-26320-1

Client Sample ID: IPC GW MW8
Lab Sample ID: 500-26320-8

Date Sampled: 06/24/2010 1426
Date Received: 06/25/2010 1000
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Surrogate				Acceptance Limits	
Dibromofluoromethane	103	%		80 - 124	

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-26320-1

Client Sample ID: IPC GW MW9
Lab Sample ID: 500-26320-9

Date Sampled: 06/24/2010 1442
Date Received: 06/25/2010 1000
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B			Date Analyzed:	06/28/2010 1735	
Prep Method: 5030B			Date Prepared:	06/28/2010 1735	
Benzene	<5.0	ug/L	0.17	5.0	1.0
Chloromethane	<5.0	ug/L	0.24	5.0	1.0
Vinyl chloride	<2.0	ug/L	0.20	2.0	1.0
Bromomethane	<5.0	ug/L	0.38	5.0	1.0
Chloroethane	<5.0	ug/L	0.36	5.0	1.0
1,1-Dichloroethene	<5.0	ug/L	0.19	5.0	1.0
Carbon disulfide	<5.0	ug/L	0.55	5.0	1.0
Acetone	<20	ug/L	1.6	20	1.0
Methylene Chloride	<10	ug/L	0.67	10	1.0
trans-1,2-Dichloroethene	<5.0	ug/L	0.32	5.0	1.0
1,1-Dichloroethane	<5.0	ug/L	0.25	5.0	1.0
cis-1,2-Dichloroethene	<5.0	ug/L	0.27	5.0	1.0
Methyl Ethyl Ketone	<20	ug/L	2.3	20	1.0
Chloroform	<5.0	ug/L	0.15	5.0	1.0
1,1,1-Trichloroethane	<5.0	ug/L	0.18	5.0	1.0
Carbon tetrachloride	<5.0	ug/L	0.25	5.0	1.0
1,2-Dichloroethane	<5.0	ug/L	0.24	5.0	1.0
Trichloroethene	<5.0	ug/L	0.24	5.0	1.0
1,2-Dichloropropane	<5.0	ug/L	0.21	5.0	1.0
Bromodichloromethane	<5.0	ug/L	0.19	5.0	1.0
cis-1,3-Dichloropropene	<5.0	ug/L	0.17	5.0	1.0
methyl isobutyl ketone	<20	ug/L	0.84	20	1.0
Toluene	<5.0	ug/L	0.19	5.0	1.0
trans-1,3-Dichloropropene	<5.0	ug/L	0.24	5.0	1.0
1,1,2-Trichloroethane	<5.0	ug/L	0.26	5.0	1.0
Tetrachloroethene	<5.0	ug/L	0.22	5.0	1.0
2-Hexanone	<20	ug/L	0.80	20	1.0
Dibromochloromethane	<5.0	ug/L	0.25	5.0	1.0
Chlorobenzene	<5.0	ug/L	0.17	5.0	1.0
Ethylbenzene	<5.0	ug/L	0.18	5.0	1.0
Styrene	<5.0	ug/L	0.15	5.0	1.0
Bromoform	<5.0	ug/L	0.42	5.0	1.0
1,1,2,2-Tetrachloroethane	<5.0	ug/L	0.29	5.0	1.0
Xylenes, Total	<5.0	ug/L	0.32	5.0	1.0
Surrogate			Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	104	%	80 - 129		
Toluene-d8 (Surr)	109	%	80 - 115		
4-Bromofluorobenzene (Surr)	95	%	80 - 115		

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-26320-1

Client Sample ID: IPC GW MW9
Lab Sample ID: 500-26320-9

Date Sampled: 06/24/2010 1442
Date Received: 06/25/2010 1000
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Surrogate				Acceptance Limits	
Dibromofluoromethane	113	%		80 - 124	

Ms. Mary Pearson
 Environmental Information Logistics (EIL)
 975 Burton Street
 Unit 10
 Beloit, WI 53511

Job Number: 500-26320-1

Client Sample ID: IPC FB
Lab Sample ID: 500-26320-10

Date Sampled: 06/24/2010 1500
 Date Received: 06/25/2010 1000
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B		Date Analyzed: 06/28/2010 1800			
Prep Method: 5030B		Date Prepared: 06/28/2010 1800			
Benzene	<5.0	ug/L	0.17	5.0	1.0
Chloromethane	<5.0	ug/L	0.24	5.0	1.0
Vinyl chloride	<2.0	ug/L	0.20	2.0	1.0
Bromomethane	<5.0	ug/L	0.38	5.0	1.0
Chloroethane	<5.0	ug/L	0.36	5.0	1.0
1,1-Dichloroethene	<5.0	ug/L	0.19	5.0	1.0
Carbon disulfide	<5.0	ug/L	0.55	5.0	1.0
Acetone	<20	ug/L	1.6	20	1.0
Methylene Chloride	<10	ug/L	0.67	10	1.0
trans-1,2-Dichloroethene	<5.0	ug/L	0.32	5.0	1.0
1,1-Dichloroethane	<5.0	ug/L	0.25	5.0	1.0
cis-1,2-Dichloroethene	<5.0	ug/L	0.27	5.0	1.0
Methyl Ethyl Ketone	<20	ug/L	2.3	20	1.0
Chloroform	<5.0	ug/L	0.15	5.0	1.0
1,1,1-Trichloroethane	<5.0	ug/L	0.18	5.0	1.0
Carbon tetrachloride	<5.0	ug/L	0.25	5.0	1.0
1,2-Dichloroethane	<5.0	ug/L	0.24	5.0	1.0
Trichloroethene	<5.0	ug/L	0.24	5.0	1.0
1,2-Dichloropropane	<5.0	ug/L	0.21	5.0	1.0
Bromodichloromethane	<5.0	ug/L	0.19	5.0	1.0
cis-1,3-Dichloropropene	<5.0	ug/L	0.17	5.0	1.0
methyl isobutyl ketone	<20	ug/L	0.84	20	1.0
Toluene	<5.0	ug/L	0.19	5.0	1.0
trans-1,3-Dichloropropene	<5.0	ug/L	0.24	5.0	1.0
1,1,2-Trichloroethane	<5.0	ug/L	0.26	5.0	1.0
Tetrachloroethene	<5.0	ug/L	0.22	5.0	1.0
2-Hexanone	<20	ug/L	0.80	20	1.0
Dibromochloromethane	<5.0	ug/L	0.25	5.0	1.0
Chlorobenzene	<5.0	ug/L	0.17	5.0	1.0
Ethylbenzene	<5.0	ug/L	0.18	5.0	1.0
Styrene	<5.0	ug/L	0.15	5.0	1.0
Bromoform	<5.0	ug/L	0.42	5.0	1.0
1,1,2,2-Tetrachloroethane	<5.0	ug/L	0.29	5.0	1.0
Xylenes, Total	<5.0	ug/L	0.32	5.0	1.0
Surrogate			Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	105	%	80 - 129		
Toluene-d8 (Surr)	106	%	80 - 115		
4-Bromofluorobenzene (Surr)	94	%	80 - 115		

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-26320-1

Client Sample ID: IPC FB
Lab Sample ID: 500-26320-10

Date Sampled: 06/24/2010 1500
Date Received: 06/25/2010 1000
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Surrogate				Acceptance Limits	
Dibromofluoromethane	109	%		80 - 124	

DATA REPORTING QUALIFIERS

Client: Environmental Information Logistics (EIL

Job Number: 500-26320-1

Lab Section	Qualifier	Description
GC/MS VOA		
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.

QUALITY CONTROL RESULTS

Quality Control Results

Client: Environmental Information Logistics (EIL

Job Number: 500-26320-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:500-88631					
LCS 500-88631/5	Lab Control Sample	T	Water	8260B	
MB 500-88631/4	Method Blank	T	Water	8260B	
500-26320-1	IPC GW MW1	T	Water	8260B	
500-26320-1DL	IPC GW MW1	T	Water	8260B	
500-26320-2	IPC GW MW2	T	Water	8260B	
500-26320-2DL	IPC GW MW2	T	Water	8260B	
500-26320-2MS	Matrix Spike	T	Water	8260B	
500-26320-2MSD	Matrix Spike Duplicate	T	Water	8260B	
500-26320-3	IPC GW MW3	T	Water	8260B	
500-26320-3DL	IPC GW MW3	T	Water	8260B	
500-26320-4	IPC GW MW4	T	Water	8260B	
500-26320-4DL	IPC GW MW4	T	Water	8260B	
500-26320-5	IPC GW MW5	T	Water	8260B	
500-26320-5DL	IPC GW MW5	T	Water	8260B	
500-26320-6	IPC GW MW6	T	Water	8260B	
500-26320-7	IPC GW MW7	T	Water	8260B	
500-26320-8	IPC GW MW8	T	Water	8260B	
500-26320-9	IPC GW MW9	T	Water	8260B	
500-26320-10	IPC FB	T	Water	8260B	

Report Basis

T = Total

Client: Environmental Information Logistics (EIL)

Job Number: 500-26320-1

Surrogate Recovery Report**8260B Volatile Organic Compounds (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec	DBFM %Rec
500-26320-1	IPC GW MW1	98	106	96	95
500-26320-1 DL	IPC GW MW1 DL	98	104	90	98
500-26320-2	IPC GW MW2	105	109	95	103
500-26320-2 DL	IPC GW MW2 DL	101	105	92	100
500-26320-3	IPC GW MW3	97	102	89	98
500-26320-3 DL	IPC GW MW3 DL	100	104	89	102
500-26320-4	IPC GW MW4	103	107	94	100
500-26320-4 DL	IPC GW MW4 DL	103	104	91	101
500-26320-5	IPC GW MW5	97	102	90	98
500-26320-5 DL	IPC GW MW5 DL	99	104	90	101
500-26320-6	IPC GW MW6	102	105	93	105
500-26320-6	IPC GW MW6	104	107	94	108
500-26320-7	IPC GW MW7	104	108	99	108
500-26320-7	IPC GW MW7	106	109	95	112
500-26320-8	IPC GW MW8	100	105	89	103
500-26320-9	IPC GW MW9	104	109	95	113
500-26320-10	IPC FB	105	106	94	109
MB 500-88631/4		95	101	91	96
LCS 500-88631/5		98	103	97	99
500-26320-2 MS	IPC GW MW2 MS	96	102	95	97
500-26320-2 MSD	IPC GW MW2 MSD	103	106	100	101

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	80-129
TOL = Toluene-d8 (Surr)	80-115
BFB = 4-Bromofluorobenzene (Surr)	80-115
DBFM = Dibromofluoromethane	80-124

Quality Control Results

Client: Environmental Information Logistics (EIL)

Job Number: 500-26320-1

Method Blank - Batch: 500-88631

Method: 8260B Preparation: 5030B

Lab Sample ID: MB 500-88631/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/28/2010 0920
Date Prepared: 06/28/2010 0920

Analysis Batch: 500-88631
Prep Batch: N/A
Units: ug/L

Instrument ID: CMS02
Lab File ID: 2M0628.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	RL
Benzene	<5.0		0.17	5.0
Chloromethane	<5.0		0.24	5.0
Vinyl chloride	<2.0		0.20	2.0
Bromomethane	<5.0		0.38	5.0
Chloroethane	<5.0		0.36	5.0
1,1-Dichloroethene	<5.0		0.19	5.0
Carbon disulfide	<5.0		0.55	5.0
Acetone	<20		1.6	20
Methylene Chloride	<10		0.67	10
trans-1,2-Dichloroethene	<5.0		0.32	5.0
1,1-Dichloroethane	<5.0		0.25	5.0
cis-1,2-Dichloroethene	<5.0		0.27	5.0
Methyl Ethyl Ketone	<20		2.3	20
Chloroform	<5.0		0.15	5.0
1,1,1-Trichloroethane	<5.0		0.18	5.0
Carbon tetrachloride	<5.0		0.25	5.0
1,2-Dichloroethane	<5.0		0.24	5.0
Trichloroethene	<5.0		0.24	5.0
1,2-Dichloropropane	<5.0		0.21	5.0
Bromodichloromethane	<5.0		0.19	5.0
cis-1,3-Dichloropropene	<5.0		0.17	5.0
methyl isobutyl ketone	<20		0.84	20
Toluene	<5.0		0.19	5.0
trans-1,3-Dichloropropene	<5.0		0.24	5.0
1,1,2-Trichloroethane	<5.0		0.26	5.0
Tetrachloroethene	<5.0		0.22	5.0
2-Hexanone	<20		0.80	20
Dibromochloromethane	<5.0		0.25	5.0
Chlorobenzene	<5.0		0.17	5.0
Ethylbenzene	<5.0		0.18	5.0
Styrene	<5.0		0.15	5.0
Bromoform	<5.0		0.42	5.0
1,1,2,2-Tetrachloroethane	<5.0		0.29	5.0
Xylenes, Total	<5.0		0.32	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	80 - 129
Toluene-d8 (Surr)	101	80 - 115
4-Bromofluorobenzene (Surr)	91	80 - 115
Dibromofluoromethane	96	80 - 124

Quality Control Results

Client: Environmental Information Logistics (EIL)

Job Number: 500-26320-1

Lab Control Sample - Batch: 500-88631

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 500-88631/5

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 06/28/2010 0944

Date Prepared: 06/28/2010 0944

Analysis Batch: 500-88631

Prep Batch: N/A

Units: ug/L

Instrument ID: CMS02

Lab File ID: 2S0628.D

Initial Weight/Volume: 10 mL

Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	25.0	24.8	99	73 - 117	
Chloromethane	25.0	15.7	63	51 - 151	
Vinyl chloride	25.0	17.6	71	56 - 128	
Bromomethane	25.0	29.4	117	35 - 181	
Chloroethane	25.0	26.7	107	52 - 150	
1,1-Dichloroethene	25.0	22.0	88	55 - 127	
Carbon disulfide	25.0	16.3	65	38 - 123	
Acetone	25.0	25.3	101	42 - 149	
Methylene Chloride	25.0	25.1	101	62 - 127	
trans-1,2-Dichloroethene	25.0	24.0	96	67 - 125	
1,1-Dichloroethane	25.0	23.0	92	67 - 122	
cis-1,2-Dichloroethene	25.0	23.2	93	65 - 115	
Methyl Ethyl Ketone	25.0	21.3	85	52 - 148	
Chloroform	25.0	24.4	98	74 - 121	
1,1,1-Trichloroethane	25.0	25.1	100	76 - 127	
Carbon tetrachloride	25.0	26.8	107	66 - 138	
1,2-Dichloroethane	25.0	25.6	103	71 - 124	
Trichloroethene	25.0	26.9	108	77 - 118	
1,2-Dichloropropane	25.0	25.2	101	75 - 120	
Bromodichloromethane	25.0	26.6	106	79 - 124	
cis-1,3-Dichloropropene	26.9	25.7	96	66 - 122	
methyl isobutyl ketone	25.0	23.3	93	58 - 134	
Toluene	25.0	24.8	99	76 - 119	
trans-1,3-Dichloropropene	24.3	23.5	97	66 - 110	
1,1,2-Trichloroethane	25.0	24.9	99	70 - 127	
Tetrachloroethene	25.0	27.3	109	76 - 116	
2-Hexanone	25.0	23.8	95	54 - 140	
Dibromochloromethane	25.0	26.9	108	68 - 122	
Chlorobenzene	25.0	25.6	102	78 - 113	
Ethylbenzene	25.0	25.8	103	80 - 116	
Styrene	25.0	26.2	105	80 - 120	
Bromoform	25.0	27.1	108	59 - 122	
1,1,2,2-Tetrachloroethane	25.0	25.3	101	70 - 123	
Xylenes, Total	75.0	76.5	102	79 - 120	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	80 - 129
Toluene-d8 (Surr)	103	80 - 115
4-Bromofluorobenzene (Surr)	97	80 - 115
Dibromofluoromethane	99	80 - 124

Quality Control Results

Client: Environmental Information Logistics (EIL)

Job Number: 500-26320-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 500-88631

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 500-26320-2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/28/2010 1219
Date Prepared: 06/28/2010 1219

Analysis Batch: 500-88631
Prep Batch: N/A

Instrument ID: CMS02
Lab File ID: 6320-02S.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 500-26320-2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/28/2010 1243
Date Prepared: 06/28/2010 1243

Analysis Batch: 500-88631
Prep Batch: N/A

Instrument ID: CMS02
Lab File ID: 6320-02T.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	76	84	73 - 117	10	20		
Chloromethane	56	52	51 - 151	8	20		
Vinyl chloride	72	64	56 - 128	11	20		
Bromomethane	120	103	35 - 181	15	20		
Chloroethane	106	96	52 - 150	10	20		
1,1-Dichloroethene	60	62	55 - 127	1	20		
Carbon disulfide	50	54	38 - 123	8	20		
Acetone	66	70	42 - 149	7	20		
Methylene Chloride	73	83	62 - 127	12	20		
trans-1,2-Dichloroethene	73	82	67 - 125	10	20		
1,1-Dichloroethane	69	76	67 - 122	8	20		
cis-1,2-Dichloroethene	57	59	65 - 115	1	20	F	F
Methyl Ethyl Ketone	60	63	52 - 148	5	20		
Chloroform	76	84	74 - 121	10	20		
1,1,1-Trichloroethane	70	76	76 - 127	4	20	F	
Carbon tetrachloride	83	91	66 - 138	10	20		
1,2-Dichloroethane	78	87	71 - 124	10	20		
Trichloroethene	14	26	77 - 118	2	20	4	4
1,2-Dichloropropane	75	84	75 - 120	12	20		
Bromodichloromethane	80	89	79 - 124	11	20		
cis-1,3-Dichloropropene	74	81	66 - 122	9	20		
methyl isobutyl ketone	70	77	58 - 134	9	20		
Toluene	78	85	76 - 119	8	20		
trans-1,3-Dichloropropene	73	78	66 - 110	7	20		
1,1,2-Trichloroethane	76	84	70 - 127	10	20		
Tetrachloroethene	72	82	76 - 116	5	20	F	
2-Hexanone	70	77	54 - 140	9	20		
Dibromochloromethane	82	91	68 - 122	10	20		
Chlorobenzene	80	88	78 - 113	10	20		
Ethylbenzene	80	86	80 - 116	8	20		

Quality Control Results

Client: Environmental Information Logistics (EIL)

Job Number: 500-26320-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 500-88631

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 500-26320-2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/28/2010 1219
Date Prepared: 06/28/2010 1219

Analysis Batch: 500-88631
Prep Batch: N/A

Instrument ID: CMS02
Lab File ID: 6320-02S.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 500-26320-2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/28/2010 1243
Date Prepared: 06/28/2010 1243

Analysis Batch: 500-88631
Prep Batch: N/A

Instrument ID: CMS02
Lab File ID: 6320-02T.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Styrene	79	87	80 - 120	9	20	F	
Bromoform	79	91	59 - 122	14	20		
1,1,2,2-Tetrachloroethane	77	84	70 - 123	9	20		
Xylenes, Total	78	87	79 - 120	10	20	F	
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
1,2-Dichloroethane-d4 (Surr)	96		103	80 - 129			
Toluene-d8 (Surr)	102		106	80 - 115			
4-Bromofluorobenzene (Surr)	95		100	80 - 115			
Dibromofluoromethane	97		101	80 - 124			

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)
Contact: Mary Pearson
Company: EIL
Address: _____
Address: _____
Phone: 608 365 8276
Fax: _____
E-Mail: _____

Bill To (optional)
Contact: _____
Company: _____
Address: _____
Address: _____
Phone: _____
Fax: _____
PO#Reference#

Chain of Custody Record

Lab Job #: 500-26320

Chain of Custody Number: _____

Page _____ of _____

Temperature °C of Cooler: 2.1

Client <u>IPC/EIL</u>		Client Project #		Preservative												Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name <u>Inter state Pollution Control Site</u>		Lab Project #		Parameter													
Project Location/State <u>Rochester IL</u>		Lab PM															
Sample <u>Brian McQueen</u>																	
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix											Comments
1		<u>AWW IPC GW MW1</u>	<u>6/24/10</u>	<u>1022</u>	<u>3</u>	<u>GW</u>											
2	X	<u>IPC GW MW2</u>		<u>1044</u>	<u>9</u>												
3		<u>IPC GW MW3</u>		<u>1137</u>	<u>3</u>												
4		<u>IPC GW MW4</u>		<u>1220</u>	<u>3</u>												
5		<u>IPC GW MW5</u>		<u>1323</u>	<u>3</u>												
6		<u>IPC GW MW6</u>		<u>1249</u>	<u>3</u>												
7		<u>IPC GW MW7</u>		<u>930</u>	<u>3</u>												
8		<u>IPC GW MW8</u>		<u>1426</u>	<u>3</u>												
9		<u>IPC GW MW9</u>		<u>1442</u>	<u>3</u>												
10		<u>IPC FB</u>		<u>1500</u>	<u>3</u>												

Turnaround Time Required (Business Days)

___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days ___ Other

Requested Due Date

Sample Disposal

☐ Return to Client

☐ Disposal by Lab

☐ Archive for ___ Months

(A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>h</u>	Company <u>Labano</u>	Date <u>6/24/10</u>	Time <u>1540</u>	Received By <u>JA</u>	Company <u>TA</u>	Date <u>6/25/10</u>	Time <u>1000</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier

Shipped

Hand Delivered

Matrix Key
 WW - Wastewater
 W - Water
 S - Soil
 SL - Sludge
 MS - Miscellaneous
 OL - Oil
 A - Air
 SE - Sediment
 SO - Soil
 L - Leachate
 WI - Wipe
 DW - Drinking Water
 O - Other

Client Comments

Lab Comments:

Login Sample Receipt Check List

Client: Environmental Information Logistics (EIL

Job Number: 500-26320-1

Login Number: 26320

List Source: TestAmerica Chicago

Creator: Lunt, Jeff T

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	2.1
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

ANALYTICAL REPORT

Job Number: 500-26593-1

Job Description: Interstate Pollution Control Site

For:
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511
Attention: Ms. Mary Pearson



Approved for release.
Richard C Wright
Project Manager II
7/20/2010 3:56 PM

Richard C Wright
Project Manager II
richard.wright@testamericainc.com
07/20/2010

These test results meet all the requirements of NELAC for accredited parameters.

The Lab Certification ID#:
TestAmerica Chicago 100201

All questions regarding this test report should be directed to the TestAmerica Project Manager whose signature appears on this report. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

TestAmerica Laboratories, Inc.

TestAmerica Chicago 2417 Bond Street, University Park, IL 60484
Tel (708) 534-5200 Fax (708) 534-5211 www.testamericainc.com



Job Narrative
500-26593-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: Environmental Information Logistics (EIL

Job Number: 500-26593-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
500-26593-1 1,1-Dichloroethane	MW1	17	1.0	ug/L	8260B

METHOD SUMMARY

Client: Environmental Information Logistics (EIL

Job Number: 500-26593-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL CHI	SW846 8260B	
Purge and Trap	TAL CHI		SW846 5030B

Lab References:

TAL CHI = TestAmerica Chicago

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Environmental Information Logistics (EIL

Job Number: 500-26593-1

Method	Analyst	Analyst ID
SW846 8260B	Drabek, Dave J	DJD

SAMPLE SUMMARY

Client: Environmental Information Logistics (EIL

Job Number: 500-26593-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
500-26593-1	MW1	Water	07/09/2010 0808	07/10/2010 0915
500-26593-1MS	MW1	Water	07/09/2010 0808	07/10/2010 0915
500-26593-1MSD	MW1	Water	07/09/2010 0808	07/10/2010 0915

SAMPLE RESULTS

Ms. Mary Pearson
Environmental Information Logistics (EIL)
975 Burton Street
Unit 10
Beloit, WI 53511

Job Number: 500-26593-1

Client Sample ID: MW1
Lab Sample ID: 500-26593-1

Date Sampled: 07/09/2010 0808
Date Received: 07/10/2010 0915
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B			Date Analyzed:	07/15/2010 0018	
Prep Method: 5030B			Date Prepared:	07/15/2010 0018	
1,1-Dichloroethane	17	ug/L	0.25	1.0	1.0
Surrogate	Acceptance Limits				
1,2-Dichloroethane-d4 (Surr)	101	%		80 - 129	
Toluene-d8 (Surr)	102	%		80 - 115	
4-Bromofluorobenzene (Surr)	96	%		80 - 115	
Dibromofluoromethane	100	%		80 - 124	

QUALITY CONTROL RESULTS

Quality Control Results

Client: Environmental Information Logistics (EIL

Job Number: 500-26593-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:500-89591					
LCS 500-89591/28	Lab Control Sample	T	Water	8260B	
MB 500-89591/8	Method Blank	T	Water	8260B	
500-26593-1	MW1	T	Water	8260B	
500-26593-1MS	Matrix Spike	T	Water	8260B	
500-26593-1MSD	Matrix Spike Duplicate	T	Water	8260B	

Report Basis

T = Total

Client: Environmental Information Logistics (EIL

Job Number: 500-26593-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec	DBFM %Rec
500-26593-1	MW1	101	102	96	100
MB 500-89591/8		98	99	90	97
LCS 500-89591/28		102	102	97	106
500-26593-1 MS	MW1 MS	100	102	101	103
500-26593-1 MSD	MW1 MSD	100	101	97	98

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	80-129
TOL = Toluene-d8 (Surr)	80-115
BFB = 4-Bromofluorobenzene (Surr)	80-115
DBFM = Dibromofluoromethane	80-124

Quality Control Results

Client: Environmental Information Logistics (EIL)

Job Number: 500-26593-1

Method Blank - Batch: 500-89591

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 500-89591/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2010 2330
Date Prepared: 07/14/2010 2330

Analysis Batch: 500-89591
Prep Batch: N/A
Units: ug/L

Instrument ID: CMS02
Lab File ID: 2M0714B.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	RL
1,1-Dichloroethane	<1.0		0.25	1.0
Surrogate	% Rec	Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	98	80 - 129		
Toluene-d8 (Surr)	99	80 - 115		
4-Bromofluorobenzene (Surr)	90	80 - 115		
Dibromofluoromethane	97	80 - 124		

Lab Control Sample - Batch: 500-89591

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 500-89591/28
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 0735
Date Prepared: 07/15/2010 0735

Analysis Batch: 500-89591
Prep Batch: N/A
Units: ug/L

Instrument ID: CMS02
Lab File ID: 2T0714A.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	22.3	89	67 - 122	
Surrogate	% Rec	Acceptance Limits			
1,2-Dichloroethane-d4 (Surr)	102	80 - 129			
Toluene-d8 (Surr)	102	80 - 115			
4-Bromofluorobenzene (Surr)	97	80 - 115			
Dibromofluoromethane	106	80 - 124			

Quality Control Results

Client: Environmental Information Logistics (EIL)

Job Number: 500-26593-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 500-89591

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 500-26593-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 0107
Date Prepared: 07/15/2010 0107

Analysis Batch: 500-89591
Prep Batch: N/A

Instrument ID: CMS02
Lab File ID: 6593-01S.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 500-26593-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 0132
Date Prepared: 07/15/2010 0132

Analysis Batch: 500-89591
Prep Batch: N/A

Instrument ID: CMS02
Lab File ID: 6593-01T.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1-Dichloroethane	97	80	67 - 122	12	20		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
1,2-Dichloroethane-d4 (Surr)	100		100	80 - 129			
Toluene-d8 (Surr)	102		101	80 - 115			
4-Bromofluorobenzene (Surr)	101		97	80 - 115			
Dibromofluoromethane	103		98	80 - 124			

Login Sample Receipt Check List

Client: Environmental Information Logistics (EIL

Job Number: 500-26593-1

Login Number: 26593

List Source: TestAmerica Chicago

Creator: Lunt, Jeff T

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	2.3
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

December 2008 Through July 2010
Data Summary
IPC/Roto-Rooter Site

Well	Location	Parameter	Units	Interwell Upper Limit (95%)	Intrawell Upper Limit (99%)	Dec-08		Mar-09		Jun-09		Sep-09		Dec-09		Jun-10		Jul-10		STEP-Defined Statistical Exceedance?
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	
MW1	Downgradient	1,1,1-Trichloroethane	ug/L	52.5	25.1	9.4		NA		5	U	NA		11		5	U	NA		No
MW1	Downgradient	1,1-Dichloroethane	ug/L	14	24.0	13		NA		14		NA		14		16		17		Yes
MW1	Downgradient	1,1-Dichloroethene	ug/L	32.9	21.1	14		NA		9.5		NA		12		11		NA		No
MW1	Downgradient	cis-1,2-Dichloroethene	ug/L	250	295	230		NA		170		NA		160		130		NA		No
MW1	Downgradient	Tetrachloroethene	ug/L	45.8	5.6	5	U	NA		5	U	NA		5	U	5	U	NA		No
MW1	Downgradient	Trichloroethene	ug/L	340	324	45		NA		20		NA		52		20		NA		No
MW1	Downgradient	Vinyl Chloride	ug/L	48	10.4	7.3		NA		6.9		NA		10		16		NA		No
MW2	Downgradient	1,1,1-Trichloroethane	ug/L	52.5	39.3	21		NA		15		NA		25		22		NA		No
MW2	Downgradient	1,1-Dichloroethane	ug/L	14	5.4	5	U	NA		5	U	NA		5	U	5	U	NA		No
MW2	Downgradient	1,1-Dichloroethene	ug/L	32.9	30.6	17		NA		13		NA		22		23		NA		No
MW2	Downgradient	cis-1,2-Dichloroethene	ug/L	250	131	52		NA		37		NA		92		58		NA		No
MW2	Downgradient	Tetrachloroethene	ug/L	45.8	23.1	23		NA		17		NA		34		33		NA		No
MW2	Downgradient	Trichloroethene	ug/L	340	293	230		NA		150		NA		210		200		NA		No
MW2	Downgradient	Vinyl Chloride	ug/L	48	10.0	4.5		NA		2	U	NA		2	U	2	U	NA		No
MW3	Upgradient	1,1,1-Trichloroethane	ug/L	52.5	45.5	22		NA		21		NA		27		24		NA		No
MW3	Upgradient	1,1-Dichloroethane	ug/L	14	11.0	5	U	NA		11		NA		5	U	5.2		NA		No
MW3	Upgradient	1,1-Dichloroethene	ug/L	32.9	36.3	17		NA		17		NA		21		23		NA		No
MW3	Upgradient	cis-1,2-Dichloroethene	ug/L	250	126	50		NA		74		NA		58		56		NA		No
MW3	Upgradient	Tetrachloroethene	ug/L	45.8	39.7	25		NA		28		NA		38		40		NA		Yes
MW3	Upgradient	Trichloroethene	ug/L	340	310	230		NA		170		NA		240		210		NA		No
MW3	Upgradient	Vinyl Chloride	ug/L	48	2.0	2	U	NA		2	U	NA		2	U	2	U	NA		No
MW4	Downgradient	1,1,1-Trichloroethane	ug/L	52.5	47.2	21		NA		17		NA		18		17		NA		No
MW4	Downgradient	1,1-Dichloroethane	ug/L	14	69.9	13		NA		27		NA		22		20		NA		No
MW4	Downgradient	1,1-Dichloroethene	ug/L	32.9	33.0	14		NA		11		NA		9.8		11		NA		No
MW4	Downgradient	cis-1,2-Dichloroethene	ug/L	250	461	190		NA		180		NA		160		150		NA		No
MW4	Downgradient	Tetrachloroethene	ug/L	45.8	5.0	5	U	NA		5	U	NA		5	U	5	U	NA		No
MW4	Downgradient	Trichloroethene	ug/L	340	5.0	5	U	NA		5	U	NA		5	U	5	U	NA		No
MW4	Downgradient	Vinyl Chloride	ug/L	48	137	65		NA		74		NA		67		76		NA		No
MW5	Upgradient	1,1,1-Trichloroethane	ug/L	52.5	78.5	35		NA		32		NA		39		27		NA		No
MW5	Upgradient	1,1-Dichloroethane	ug/L	14	25.8	8.8		NA		6		NA		6.6		5.5		NA		No
MW5	Upgradient	1,1-Dichloroethene	ug/L	32.9	34.0	27		NA		23		NA		26		23		NA		No
MW5	Upgradient	cis-1,2-Dichloroethene	ug/L	250	519	250		NA		180		NA		140		120		NA		No
MW5	Upgradient	Tetrachloroethene	ug/L	45.8	75.7	29		NA		34		NA		42		37		NA		No
MW5	Upgradient	Trichloroethene	ug/L	340	390	200		NA		180		NA		230		160		NA		No
MW5	Upgradient	Vinyl Chloride	ug/L	48	15.0	7.7		NA		8.8		NA		7.2		5.7		NA		No

December 2008 Through July 2010
Data Summary
IPC/Roto-Rooter Site

Well	Location	Parameter	Units	Interwell Upper Limit (95%)	Intrawell Upper Limit (99%)	Dec-08		Mar-09		Jun-09		Sep-09		Dec-09		Jun-10		Jul-10		STEP-Defined Statistical Exceedance?
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	
MW6	Upgradient	1,1,1-Trichloroethane	ug/L	52.5	71.3	22		NA		31		NA		37		31		NA		No
MW6	Upgradient	1,1-Dichloroethane	ug/L	14	42.1	6.8		NA		5	U	NA		6.7		5.9		NA		No
MW6	Upgradient	1,1-Dichloroethene	ug/L	32.9	36.5	15		NA		22		NA		24		25		NA		No
MW6	Upgradient	cis-1,2-Dichloroethene	ug/L	250	352	200		NA		210		NA		190		180		NA		No
MW6	Upgradient	Tetrachloroethene	ug/L	45.8	47.6	6.1		NA		15		NA		5	U	24		NA		No
MW6	Upgradient	Trichloroethene	ug/L	340	220	32		NA		73		NA		150		95		NA		No
MW6	Upgradient	Vinyl Chloride	ug/L	48	104	24		NA		25		NA		18		25		NA		No
MW8	Downgradient	1,1,1-Trichloroethane	ug/L	52.5	30.2	NA		5	U	5	U	6.1		11		5	U	NA		No
MW8	Downgradient	1,1-Dichloroethane	ug/L	14	34.0	NA		5	U	5	U	6.8		12		5	U	NA		No
MW8	Downgradient	1,1-Dichloroethene	ug/L	32.9	14.1	NA		5	U	5	U	5.1		7.1		5	U	NA		No
MW8	Downgradient	cis-1,2-Dichloroethene	ug/L	250	78.2	NA		11		5	U	18		29		10		NA		No
MW8	Downgradient	Tetrachloroethene	ug/L	45.8	5.0	NA		5	U	5	U	5	U	5	U	5	U	NA		No
MW8	Downgradient	Trichloroethene	ug/L	340	171	NA		27		14		36		75		29		NA		No
MW8	Downgradient	Vinyl Chloride	ug/L	48	2.0	NA		2	U	2	U	2	U	2	U	2	U	NA		No
MW9	Downgradient	1,1,1-Trichloroethane	ug/L	52.5	5.0	NA		5	U	5	U	5	U	5	U	5	U	NA		No
MW9	Downgradient	1,1-Dichloroethane	ug/L	14	5.0	NA		5	U	5	U	5	U	5	U	5	U	NA		No
MW9	Downgradient	1,1-Dichloroethene	ug/L	32.9	5.0	NA		5	U	5	U	5	U	5	U	5	U	NA		No
MW9	Downgradient	cis-1,2-Dichloroethene	ug/L	250	5.0	NA		5	U	5	U	5	U	5	U	5	U	NA		No
MW9	Downgradient	Tetrachloroethene	ug/L	45.8	5.0	NA		5	U	5	U	5	U	5	U	5	U	NA		No
MW9	Downgradient	Trichloroethene	ug/L	340	5.0	NA		5	U	5	U	5	U	5	U	5	U	NA		No
MW9	Downgradient	Vinyl Chloride	ug/L	48	2.0	NA		2	U	2	U	2	U	2	U	2	U	NA		No

All data reported in ug/L.

NA - Not Applicable

Interwell and Intrawell limits calculated using background data collected: Sep. 2007, Dec. 2007, Mar. 2008, and Jun. 2008. **Except for the following:**

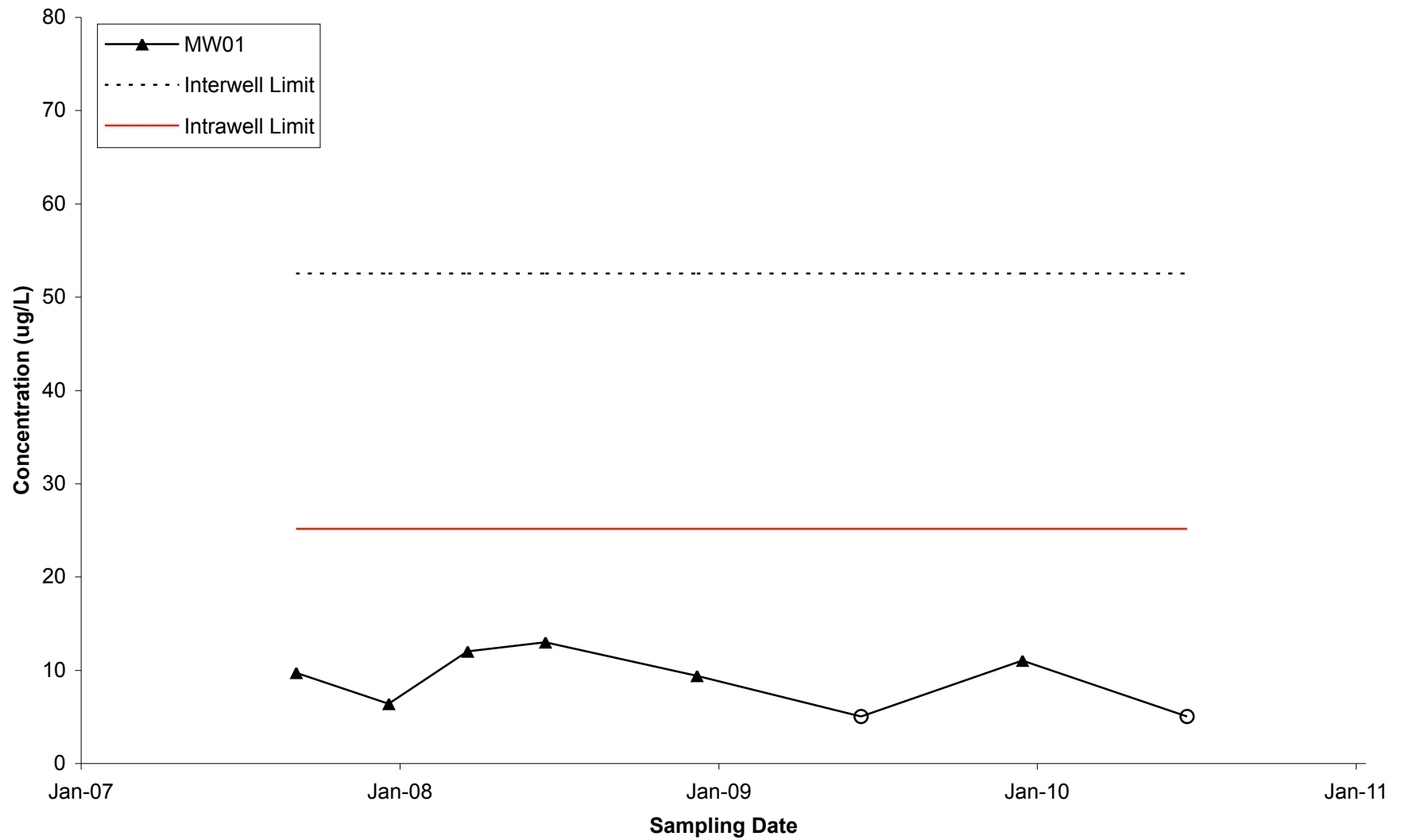
Interwell limits for 1,1-dichloroethane; tetrachloroethene; and trichloroethene collected: Dec. 2007, Jun. 2008, Dec. 2008, and Jun. 2009

Intrawell limits for 1,1-dichloroethane (MW3); tetrachloroethene and trichloroethene (MW6) collected: Dec. 2007, Jun. 2008, Dec. 2008, and Jun. 2009.

Intrawell limits for all parameters (MW8 and MW9) collected: Mar. 2009, Jun. 2009, Sep. 2009, and Dec. 2009.

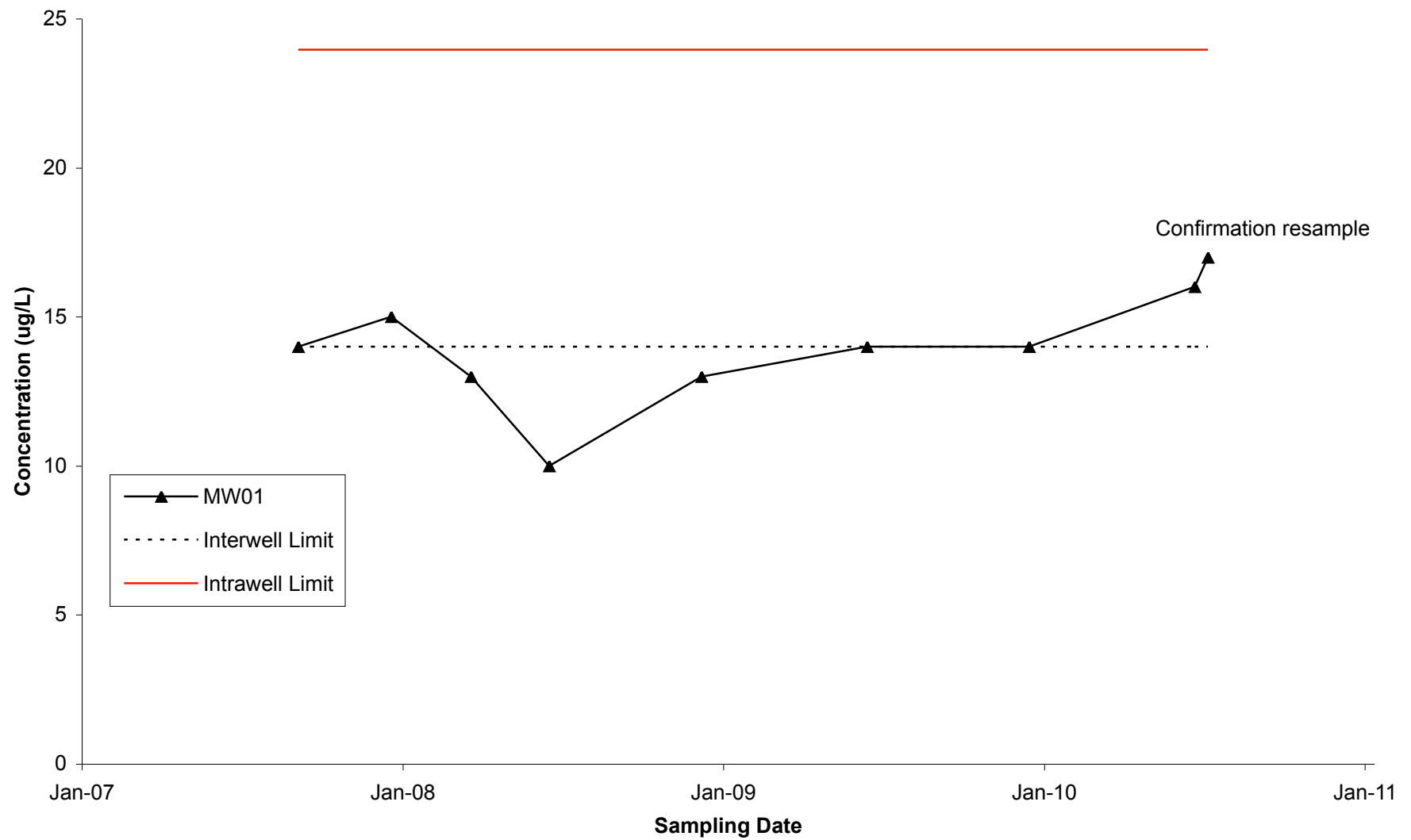
**1,1,1-Trichloroethane in Well MW01
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



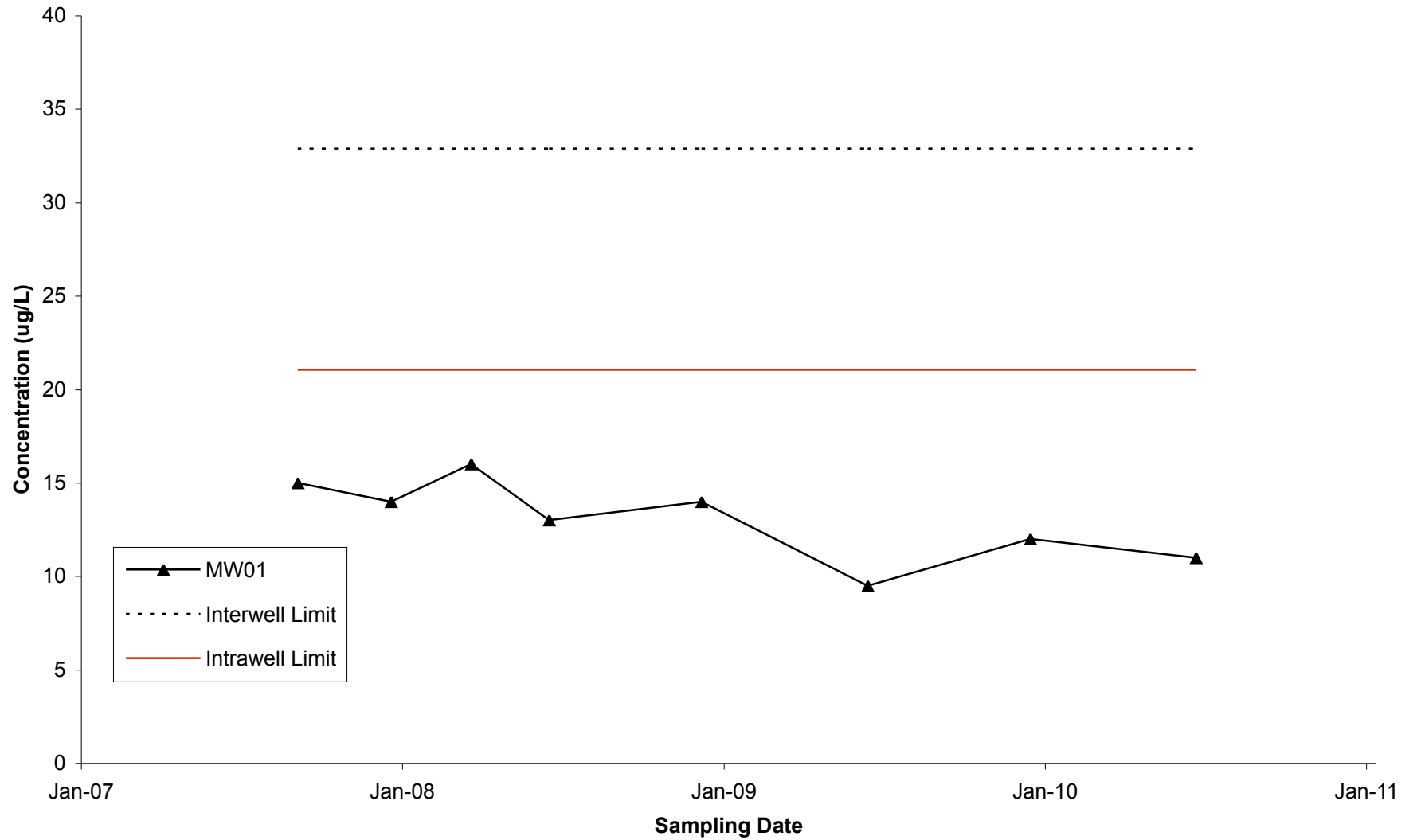
1,1-Dichloroethane in Well MW01 IPC/Roto-Rooter Landfill

Note: Non-detects are marked with a clear circle.



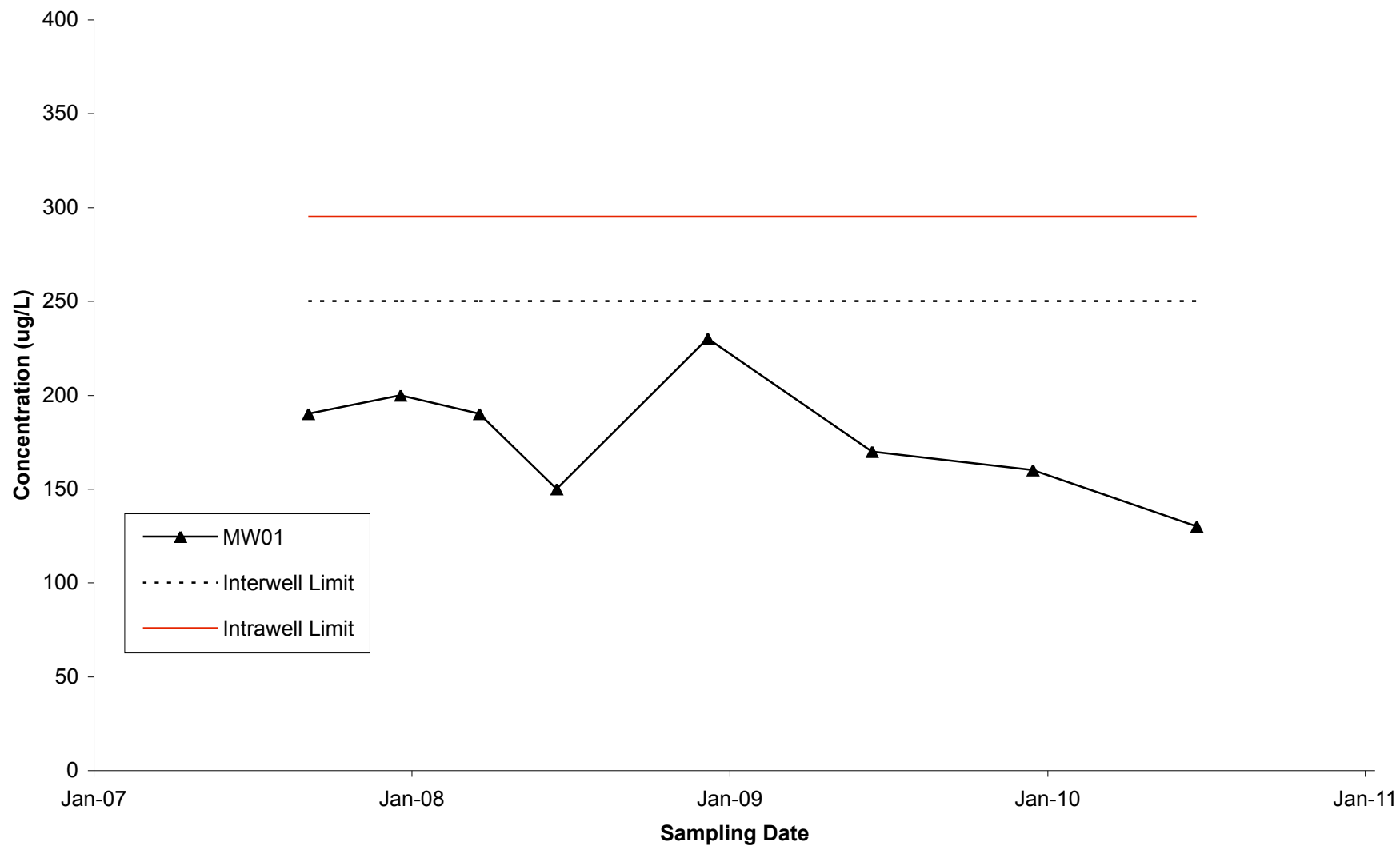
**1,1-Dichloroethene in Well MW01
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



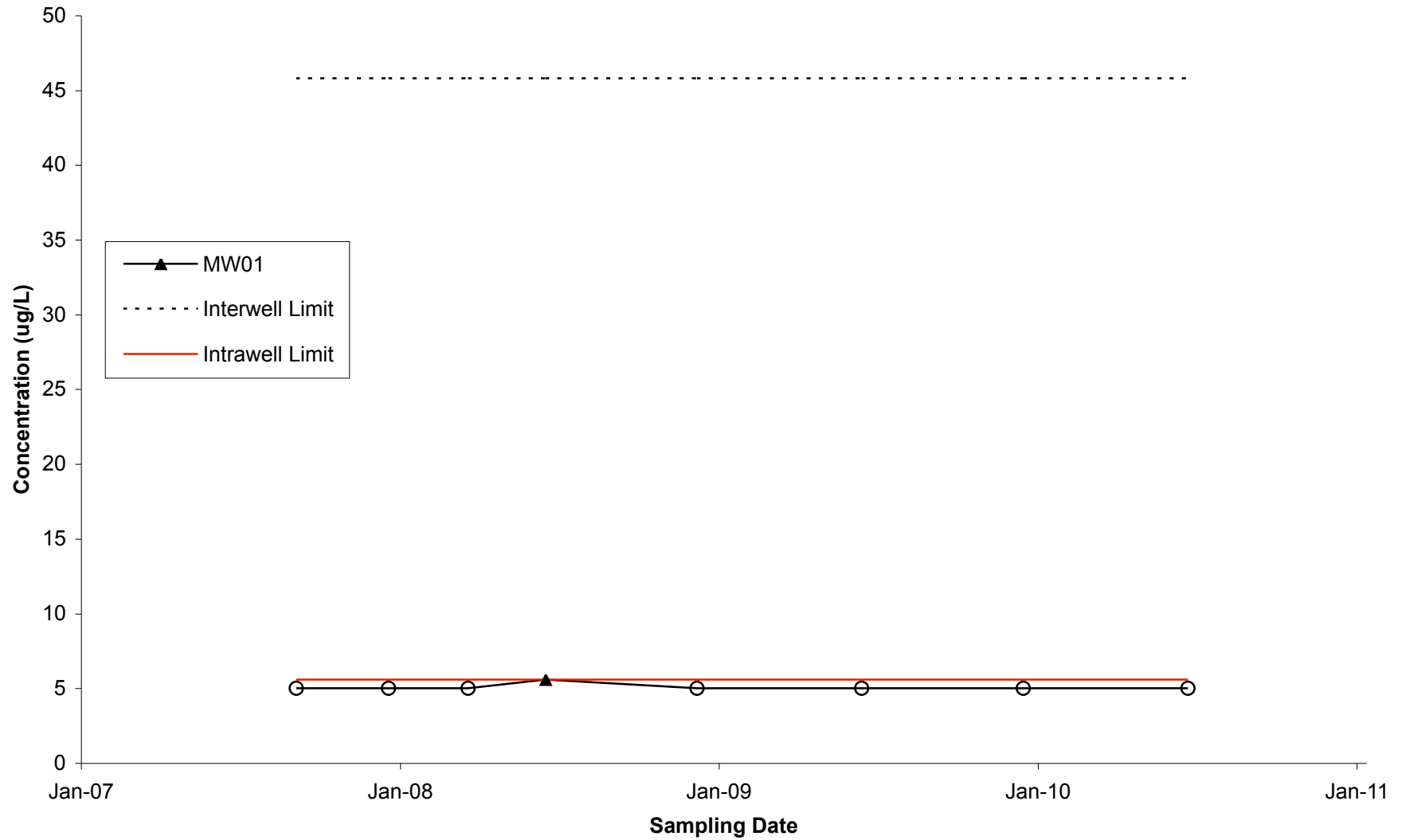
**cis-1,2-Dichloroethene in Well MW01
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



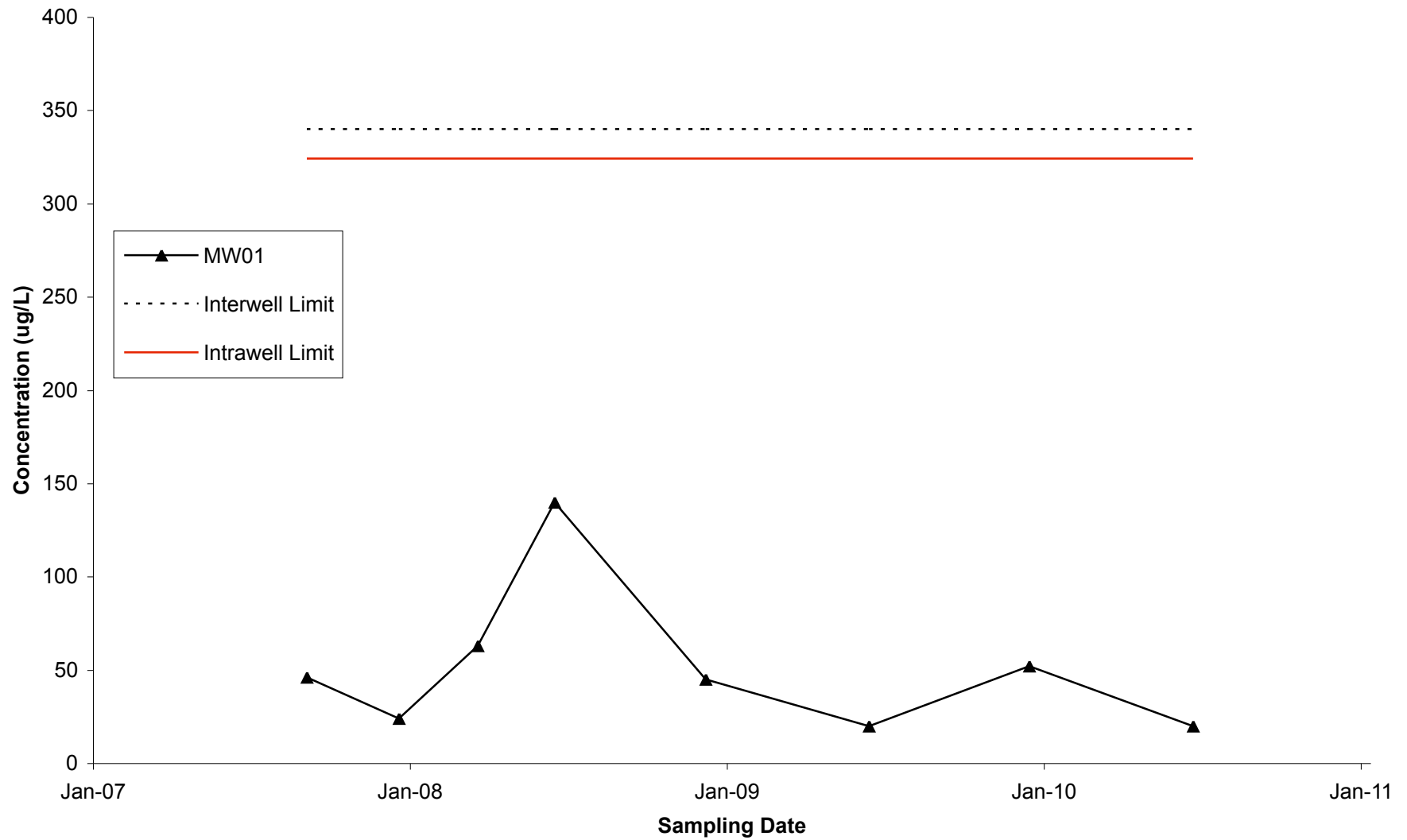
**Tetrachloroethene in Well MW01
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



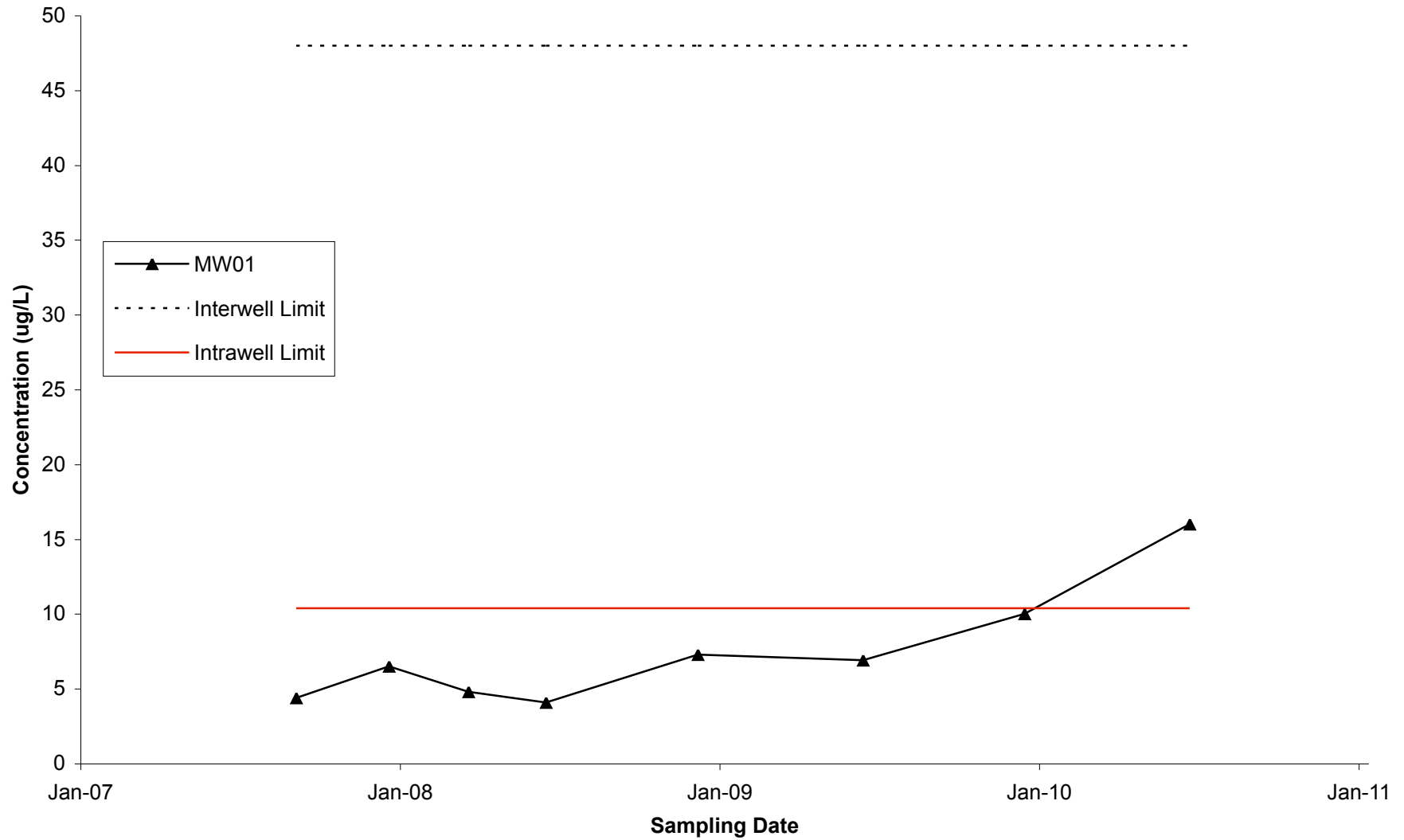
**Trichloroethene in Well MW01
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



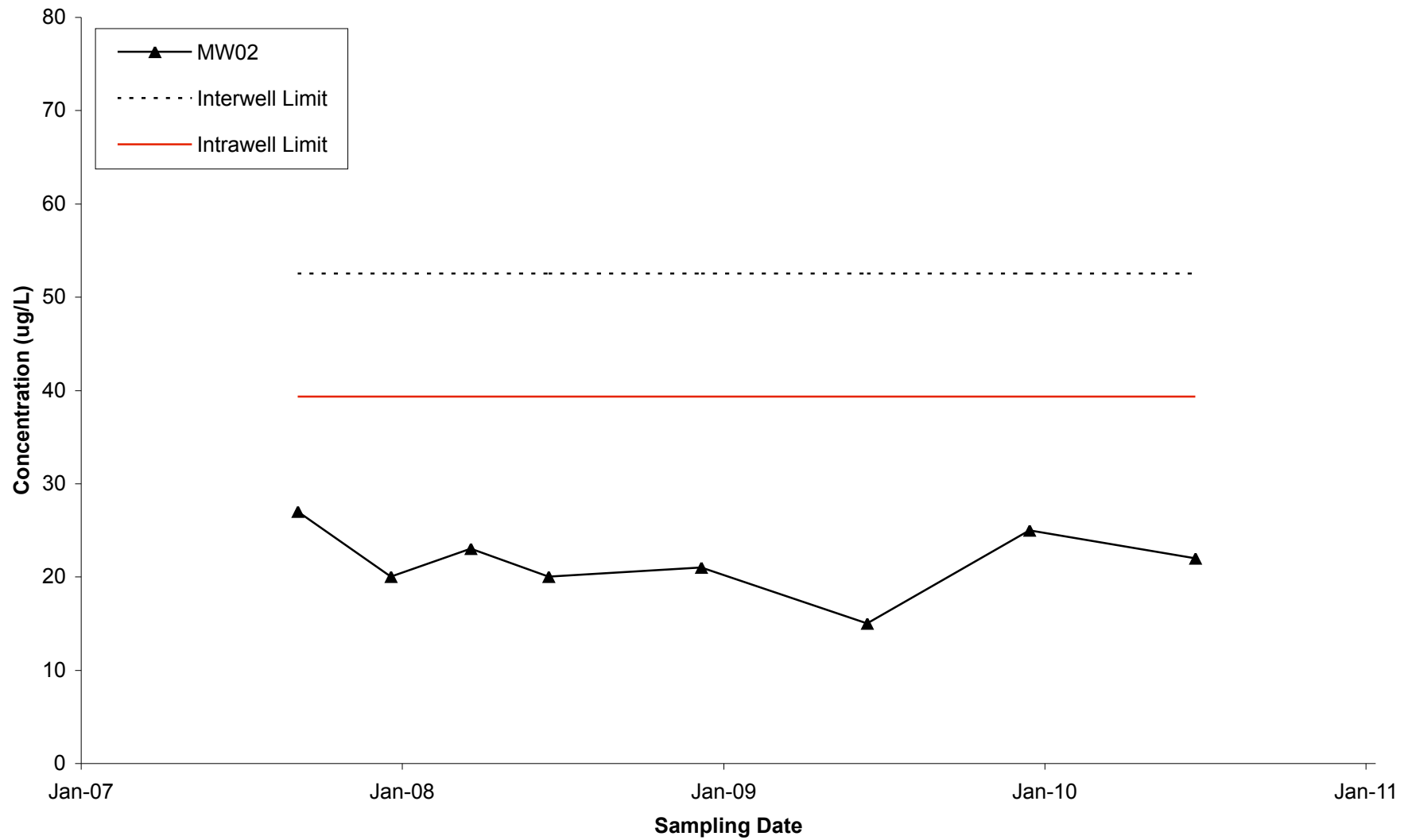
Vinyl Chloride in Well MW01 IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



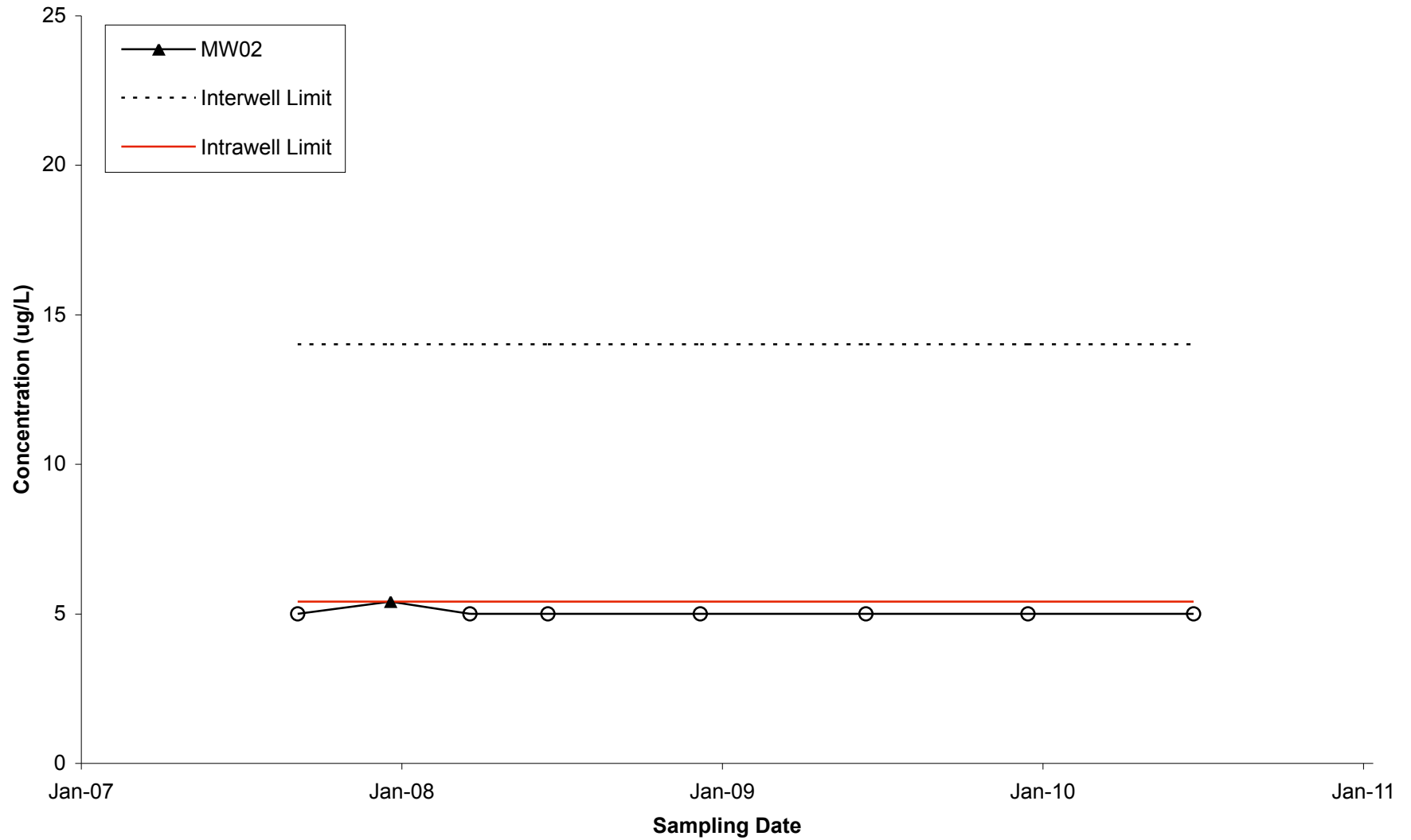
1,1,1-Trichloroethane in Well MW02 IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



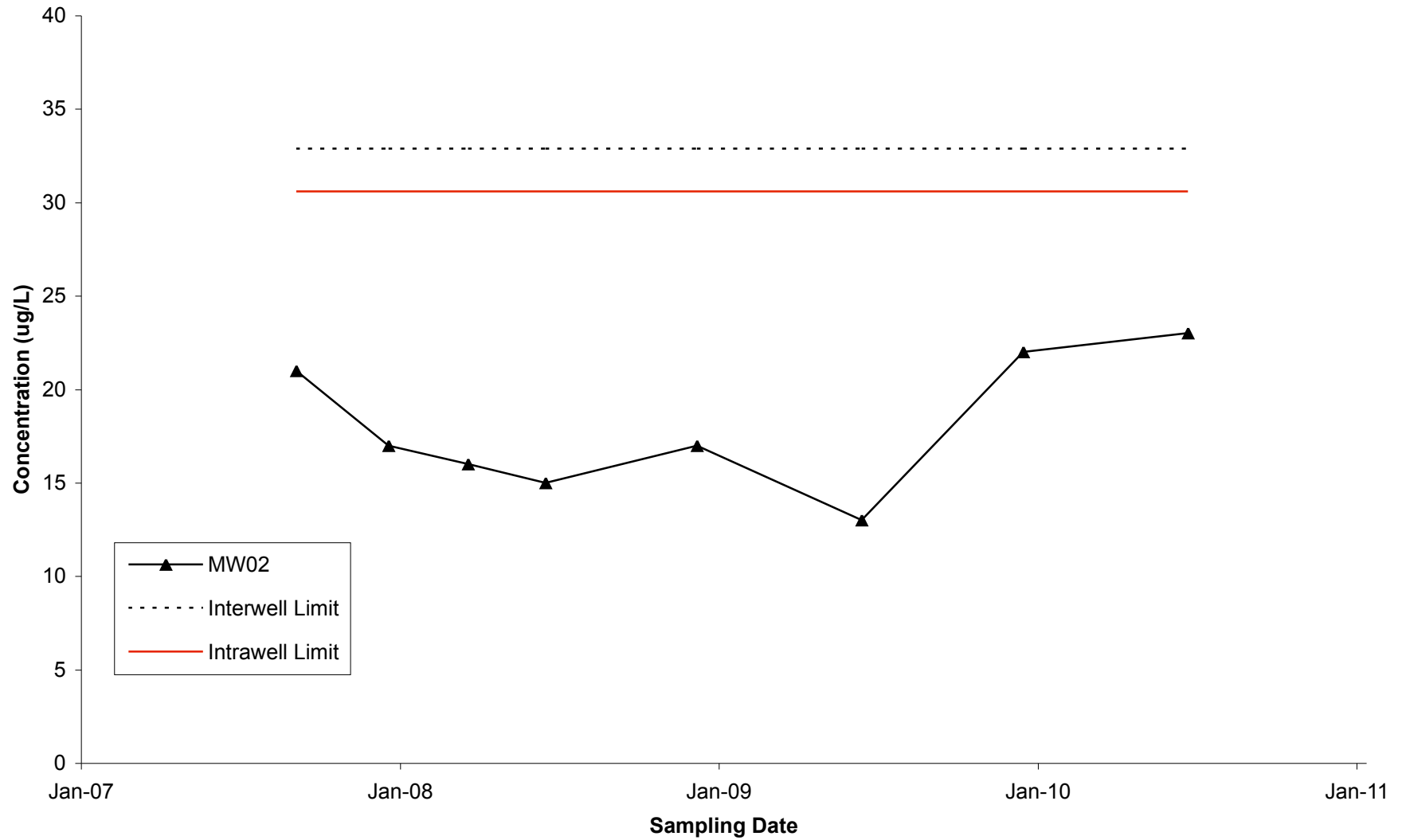
**1,1-Dichloroethane in Well MW02
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



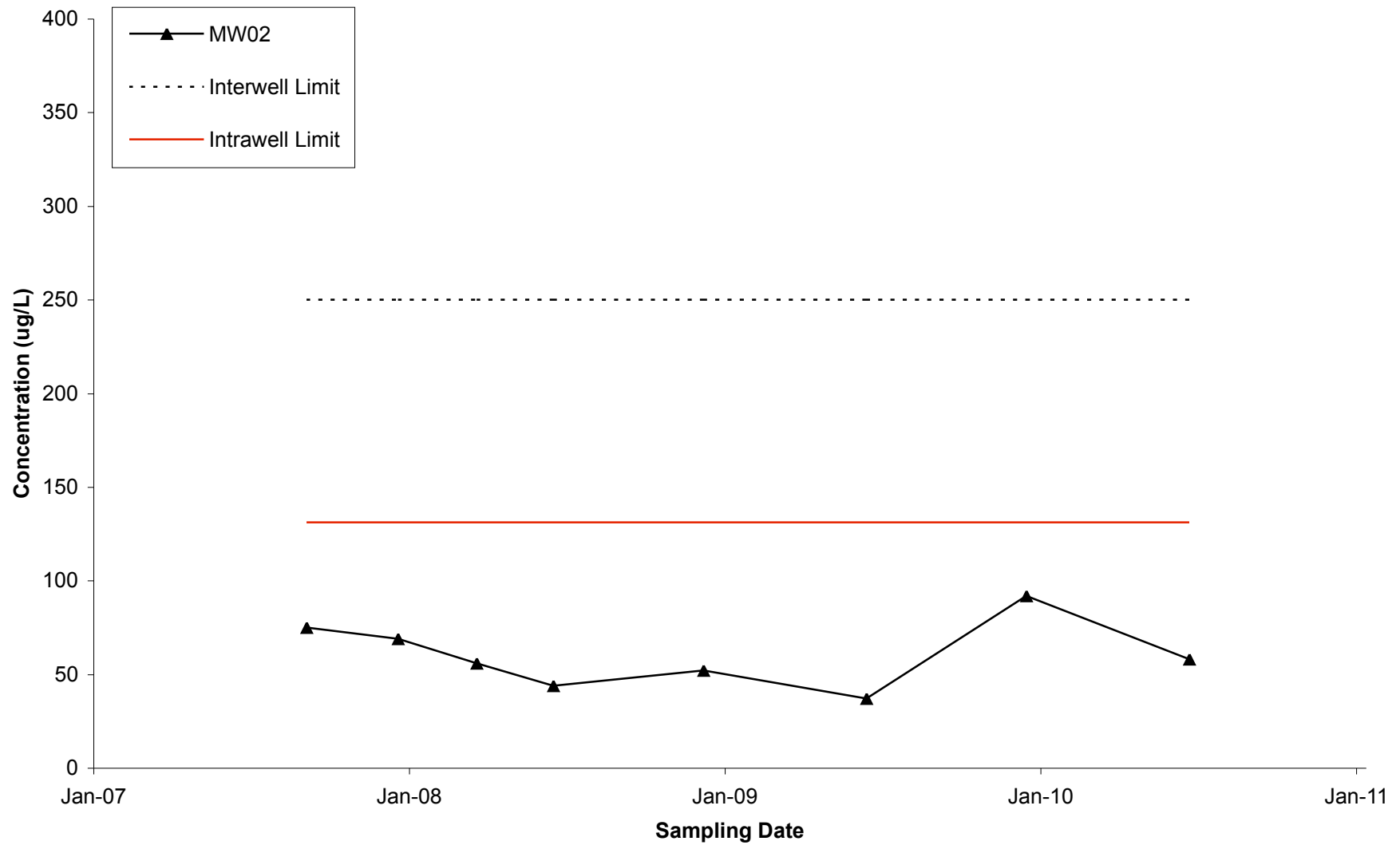
**1,1-Dichloroethene in Well MW02
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



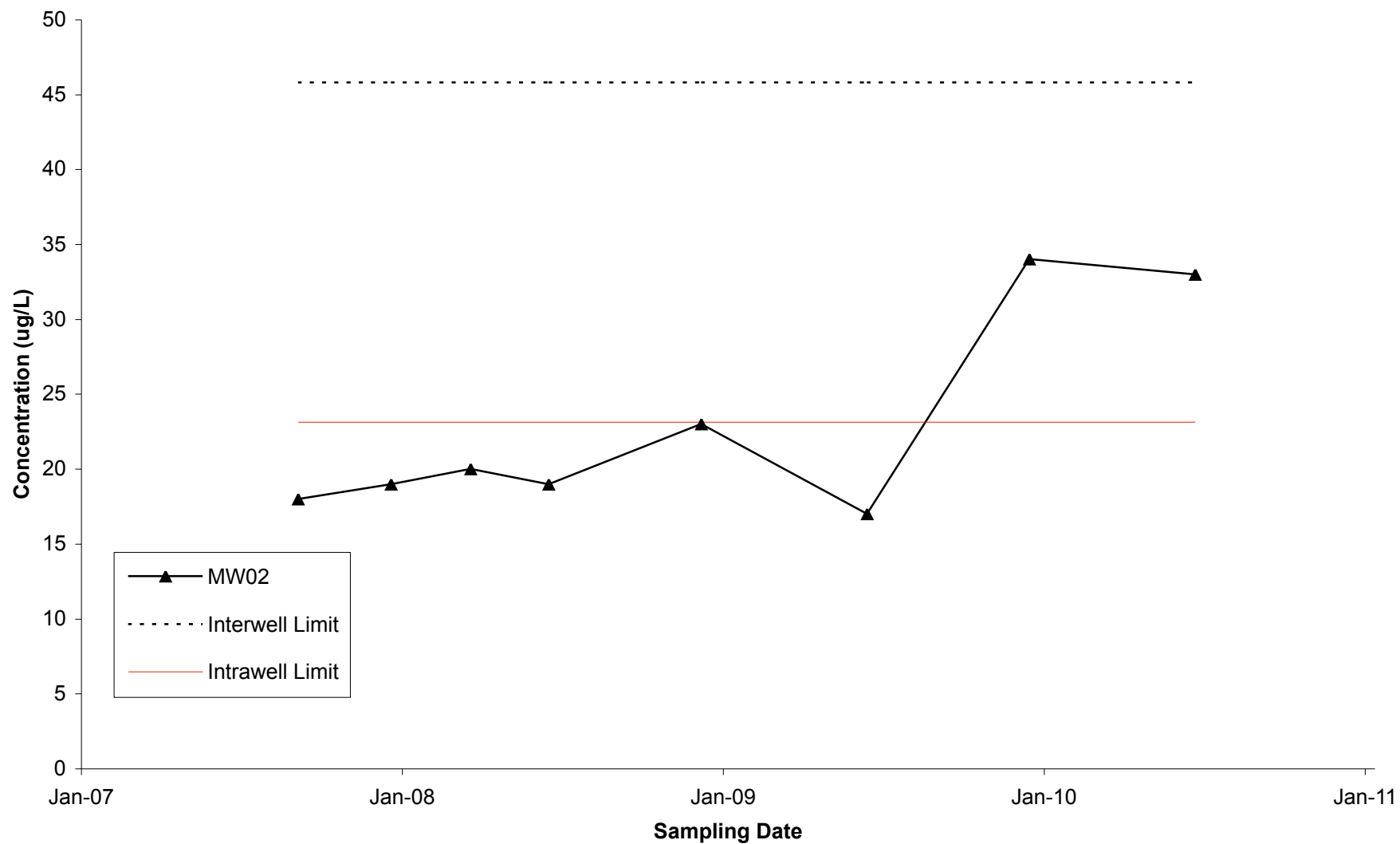
**cis-1,2-Dichloroethene in Well MW02
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



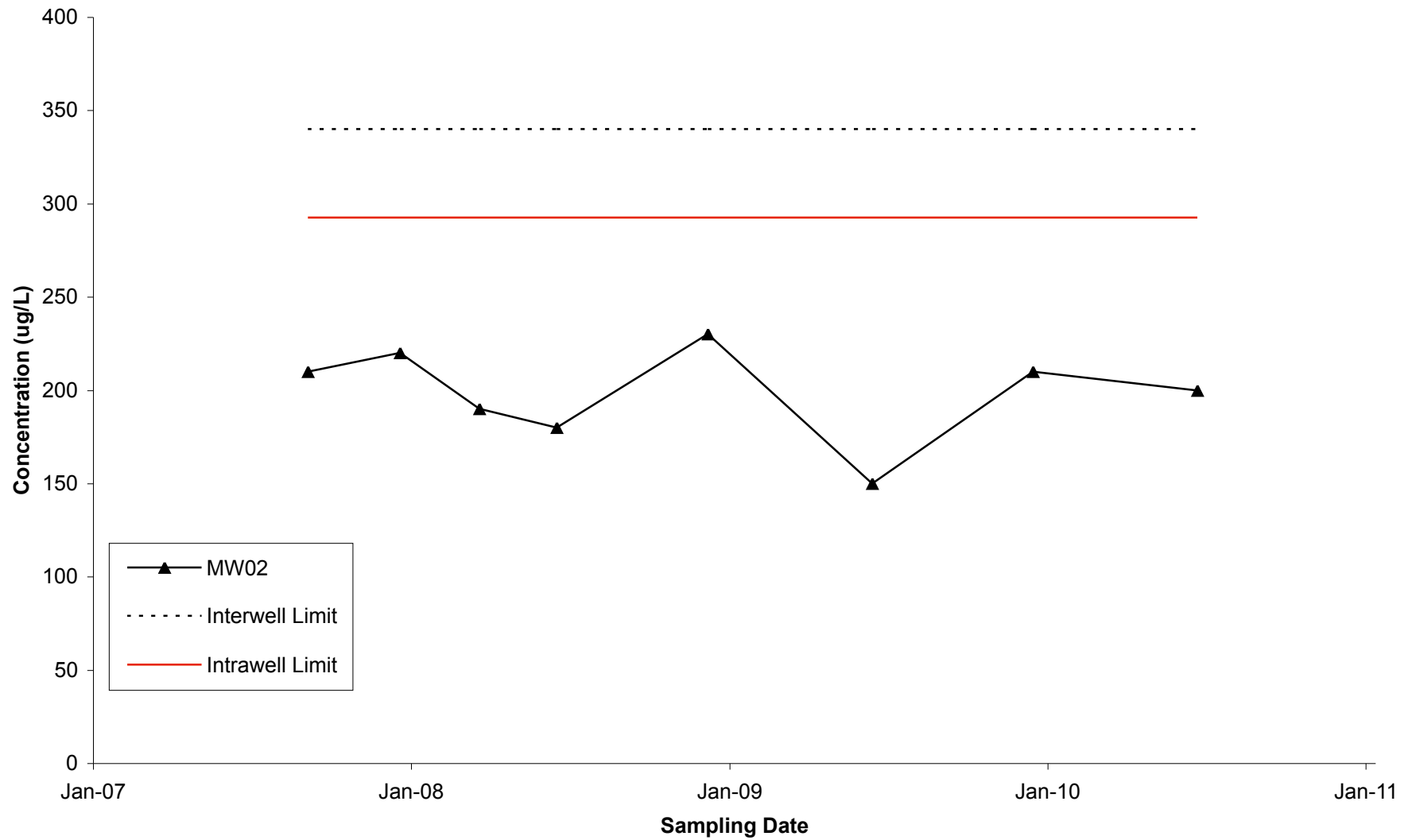
**Tetrachloroethene in Well MW02
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



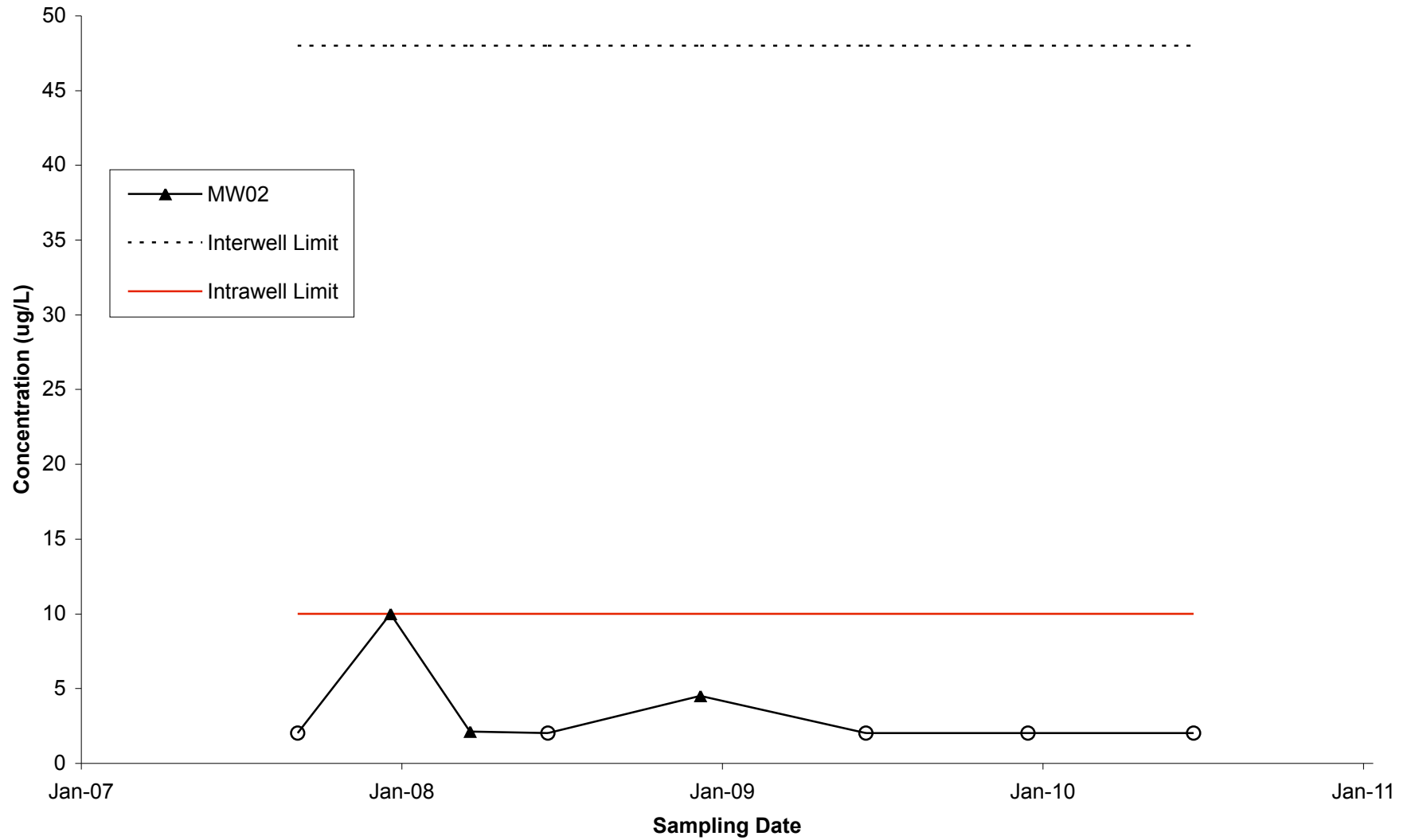
**Trichloroethene in Well MW02
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



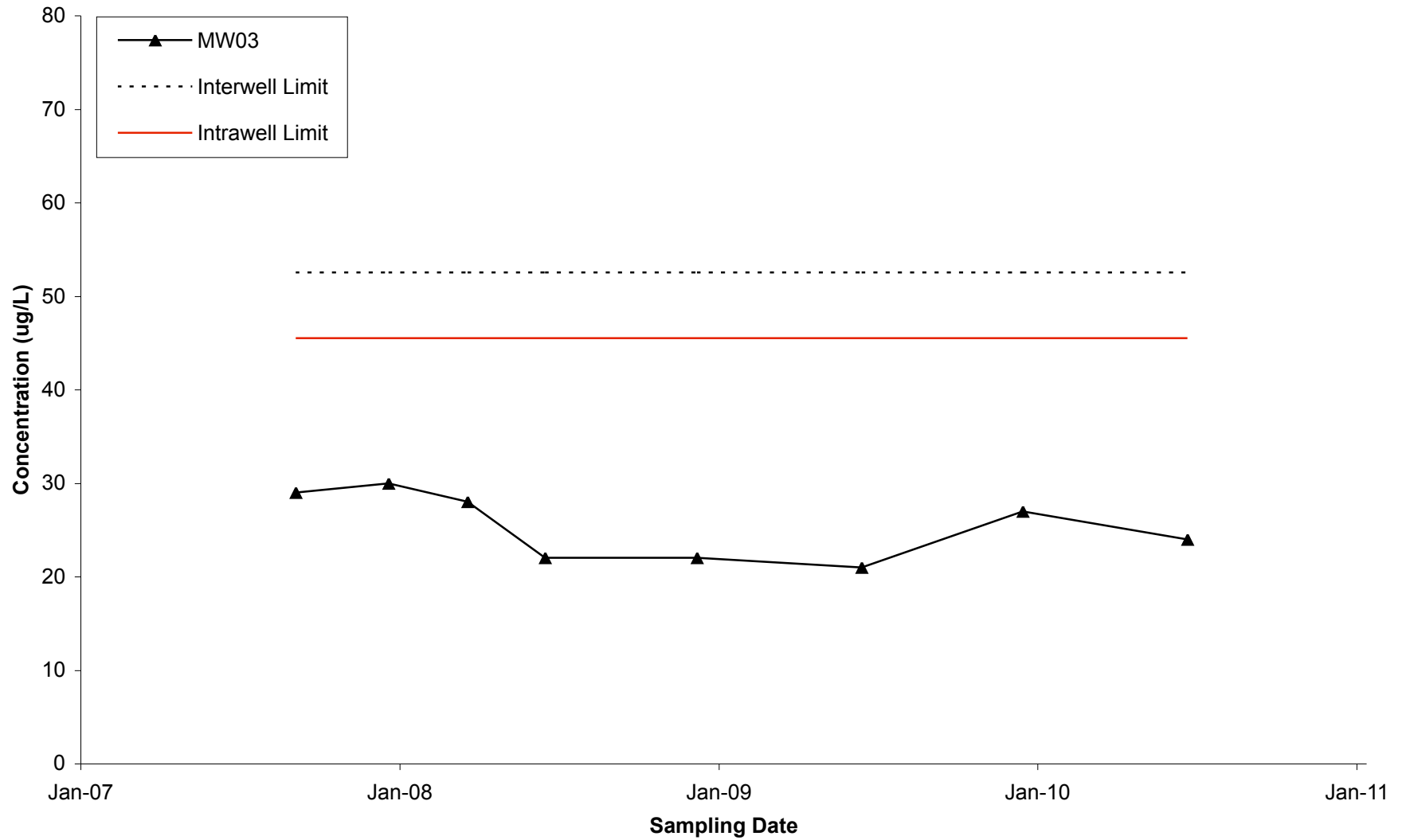
Vinyl Chloride in Well MW02 IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



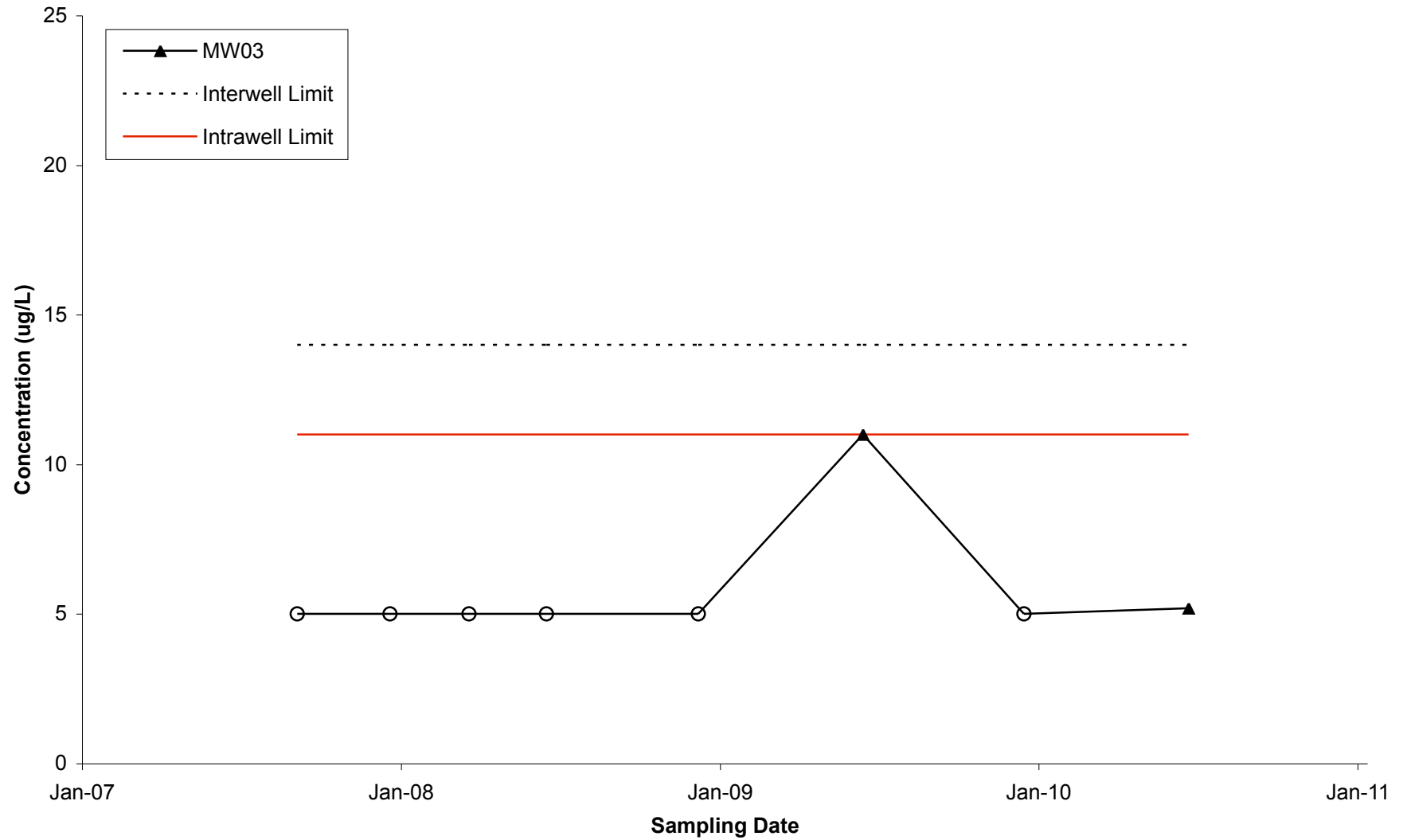
**1,1,1-Trichloroethane in Well MW03
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



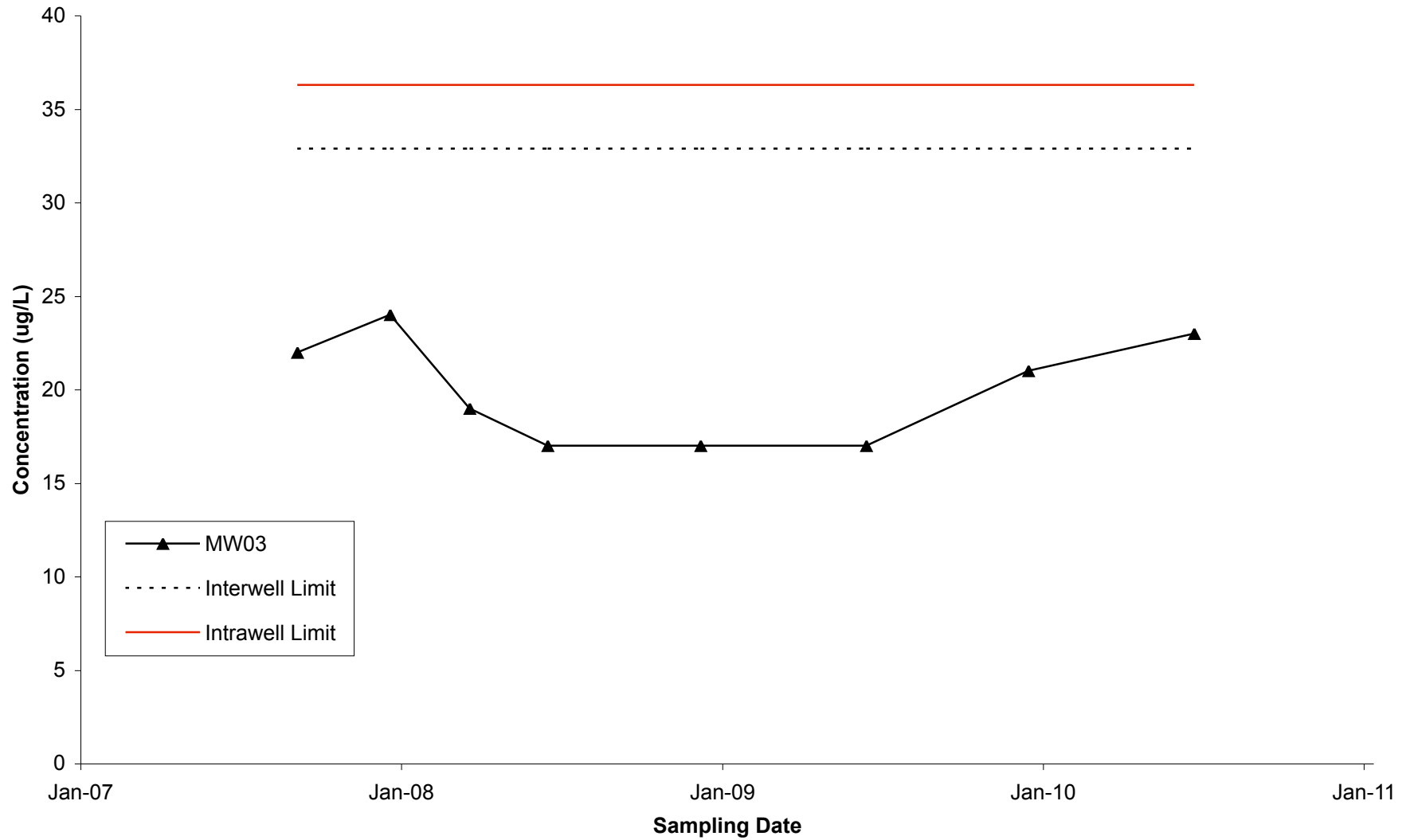
**1,1-Dichloroethane in Well MW03
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



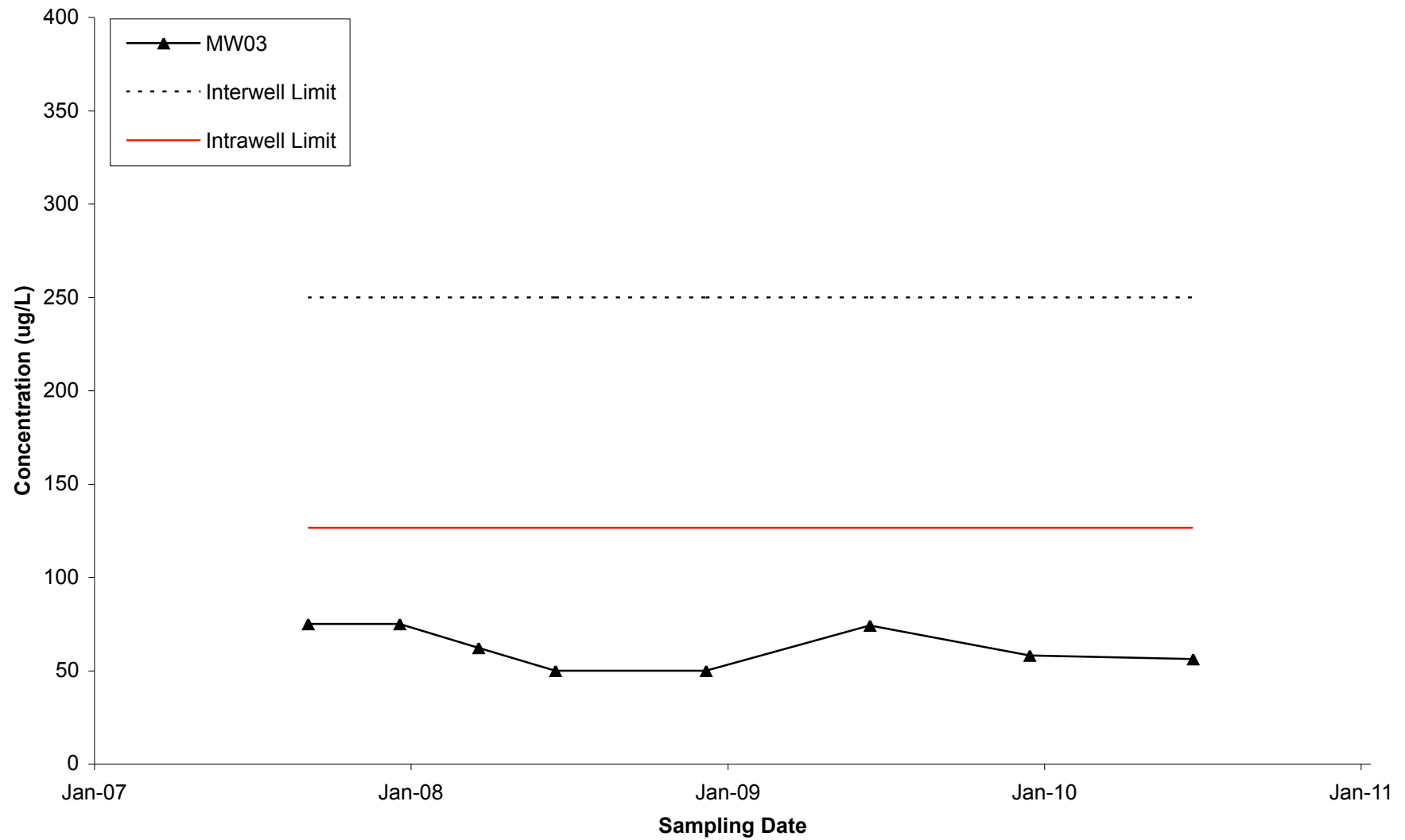
**1,1-Dichloroethene in Well MW03
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



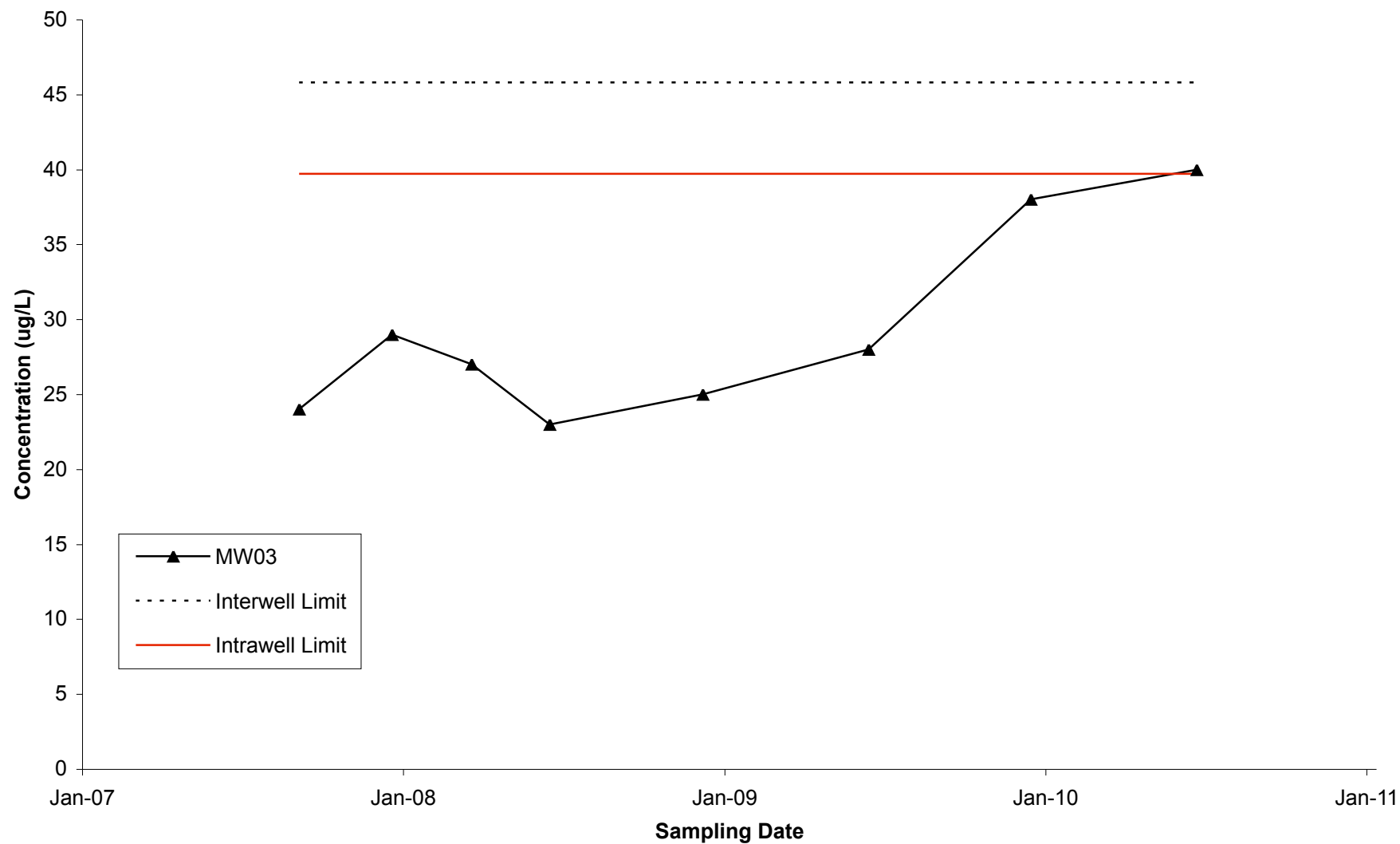
**cis-1,2-Dichloroethene in Well MW03
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



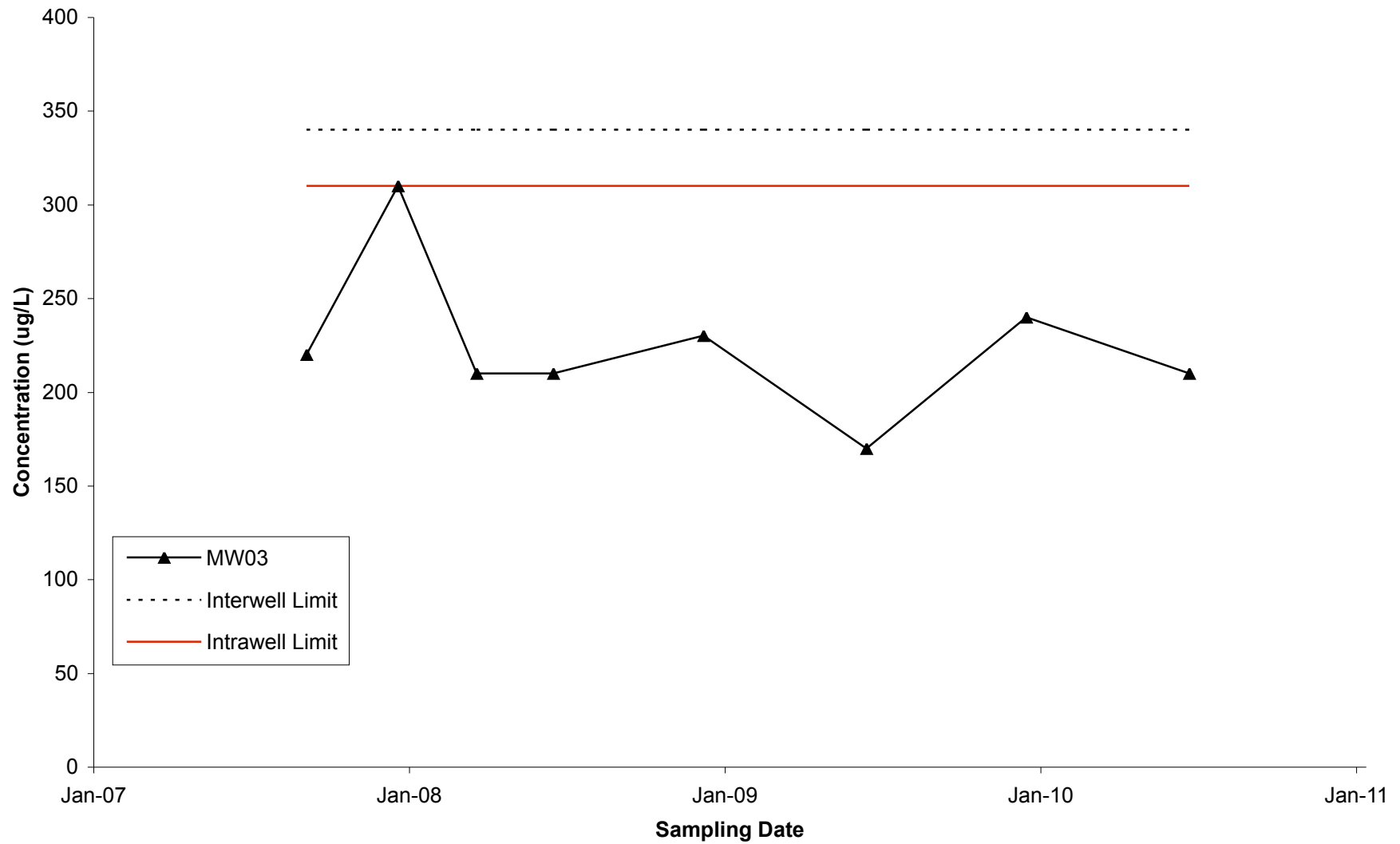
Tetrachloroethene in Well MW03 IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



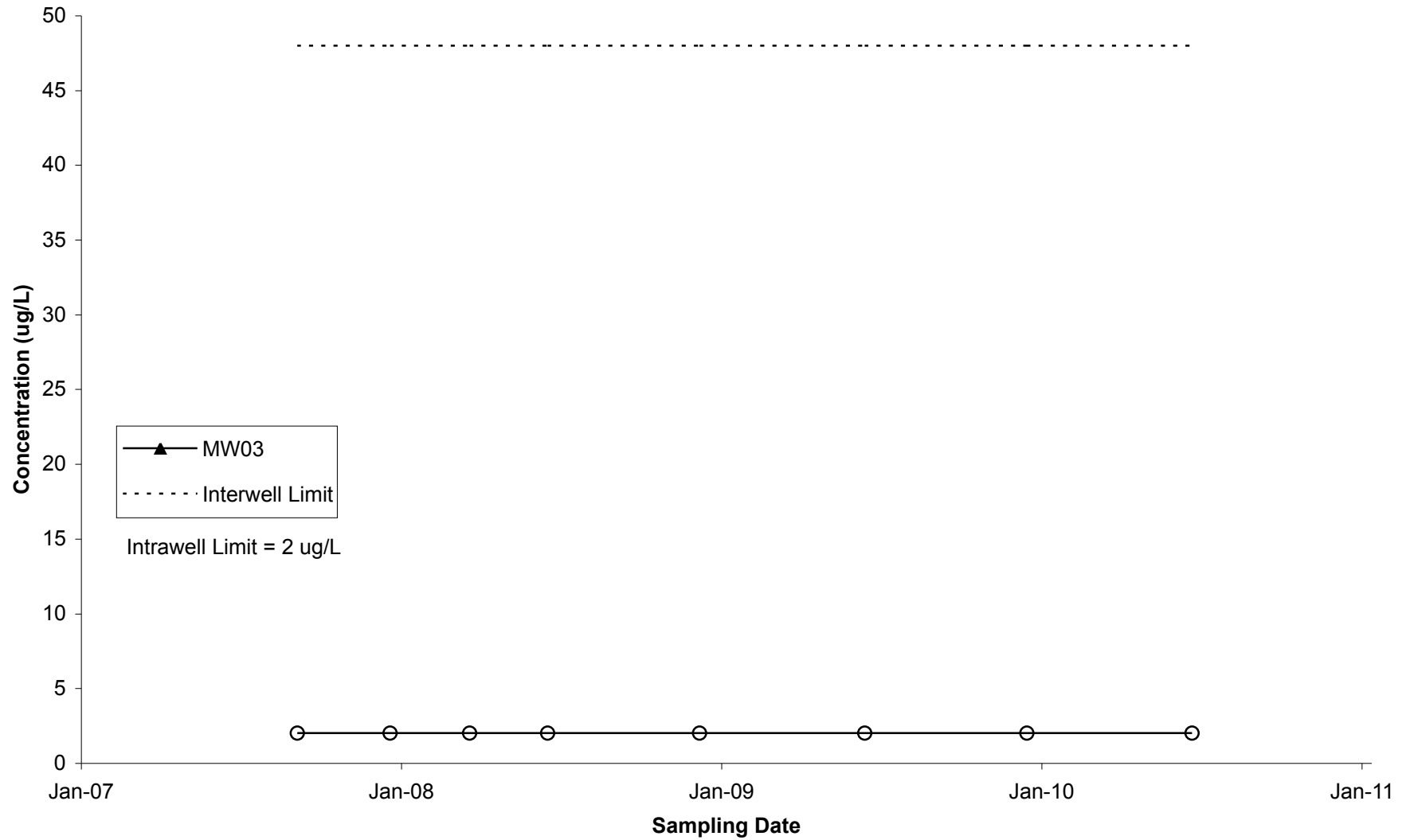
**Trichloroethene in Well MW03
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



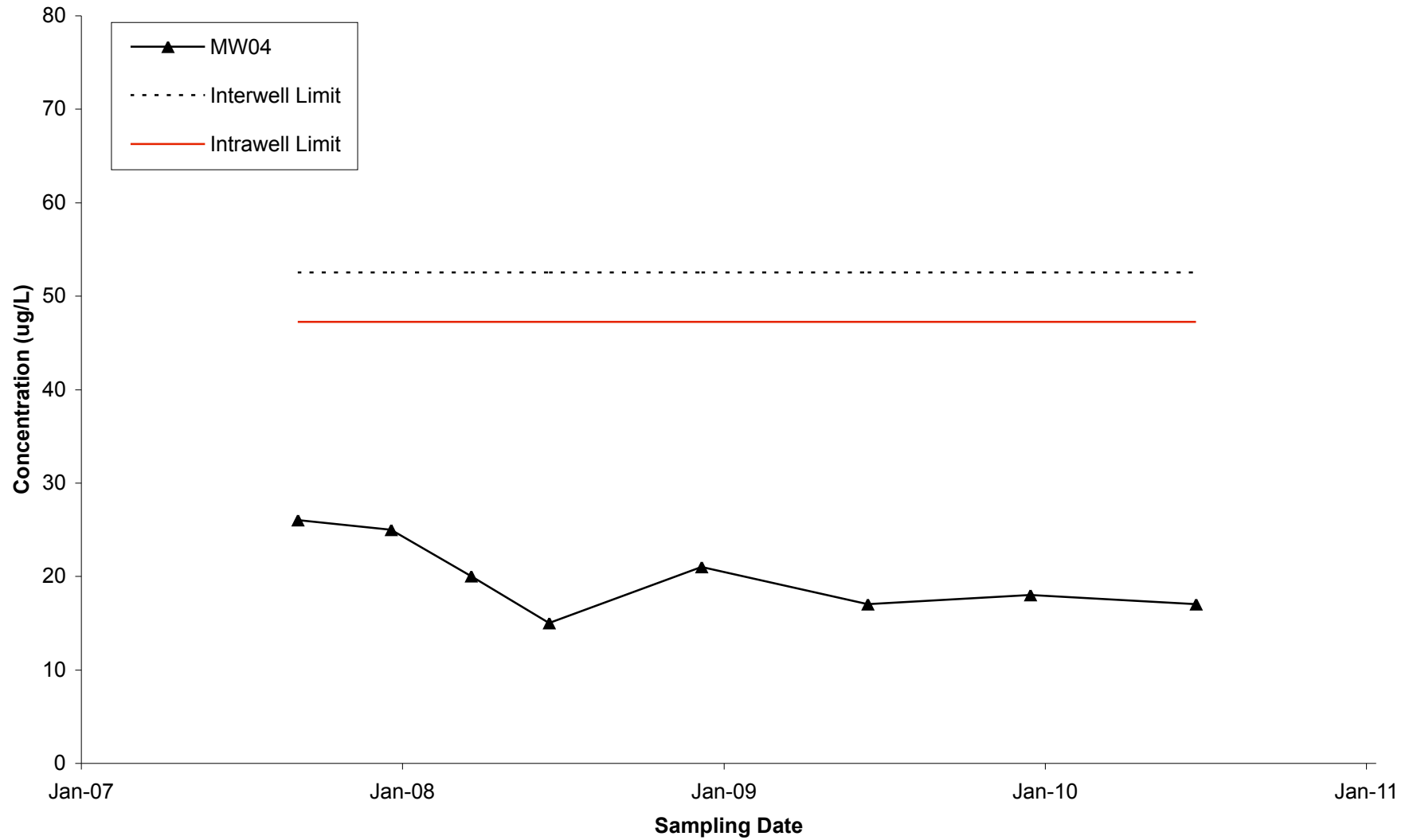
**Vinyl Chloride in Well MW03
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



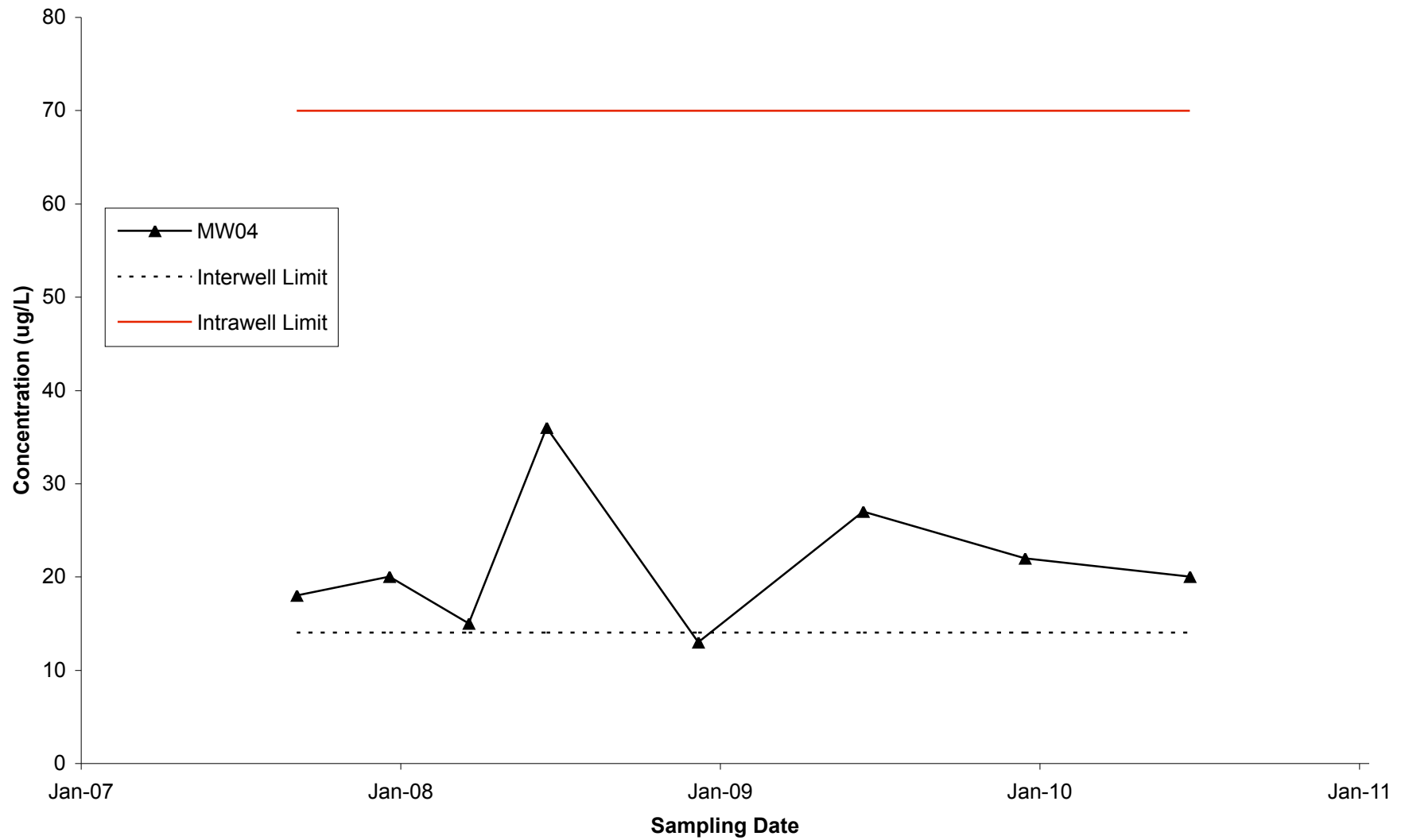
**1,1,1-Trichloroethane in Well MW04
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



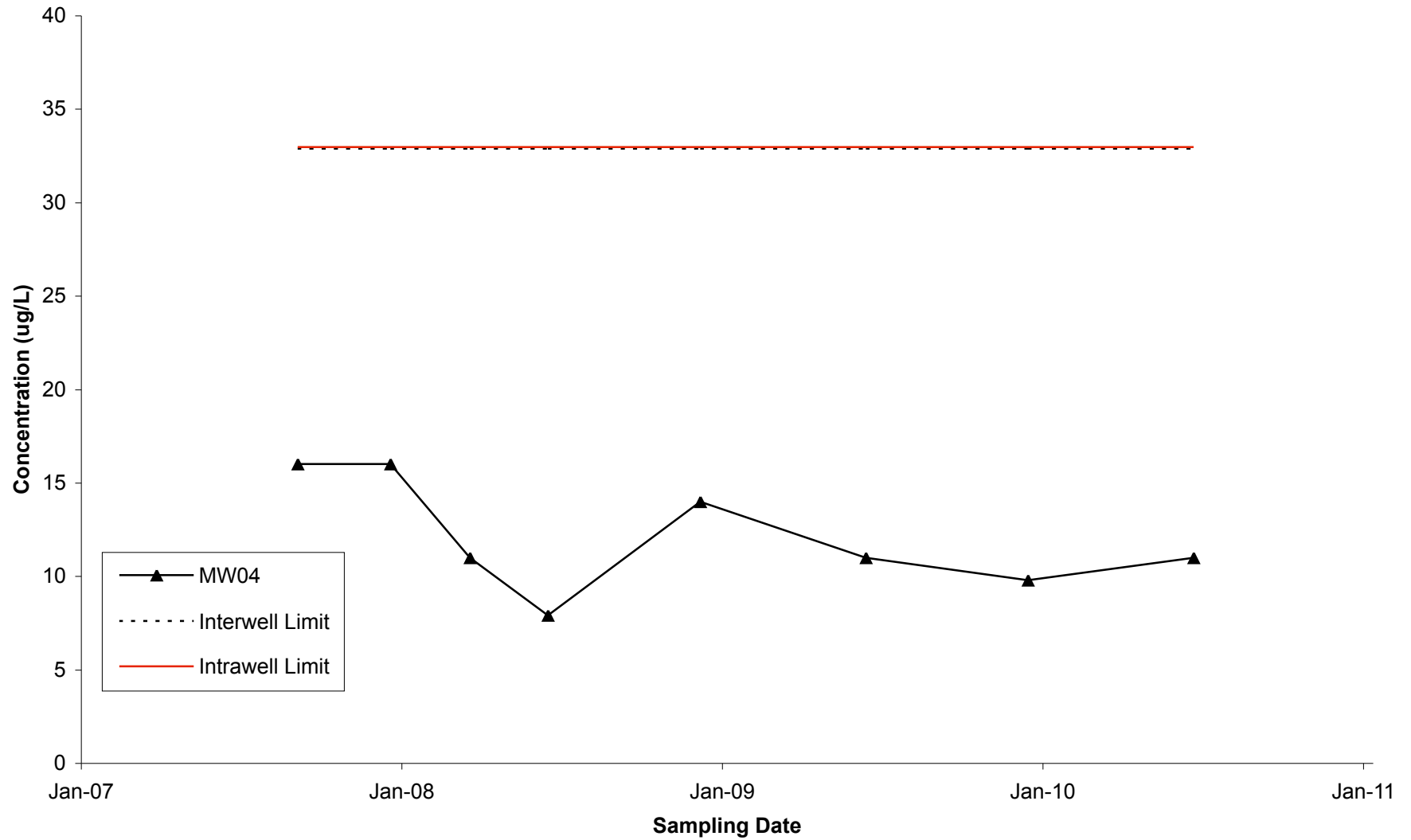
**1,1-Dichloroethane in Well MW04
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



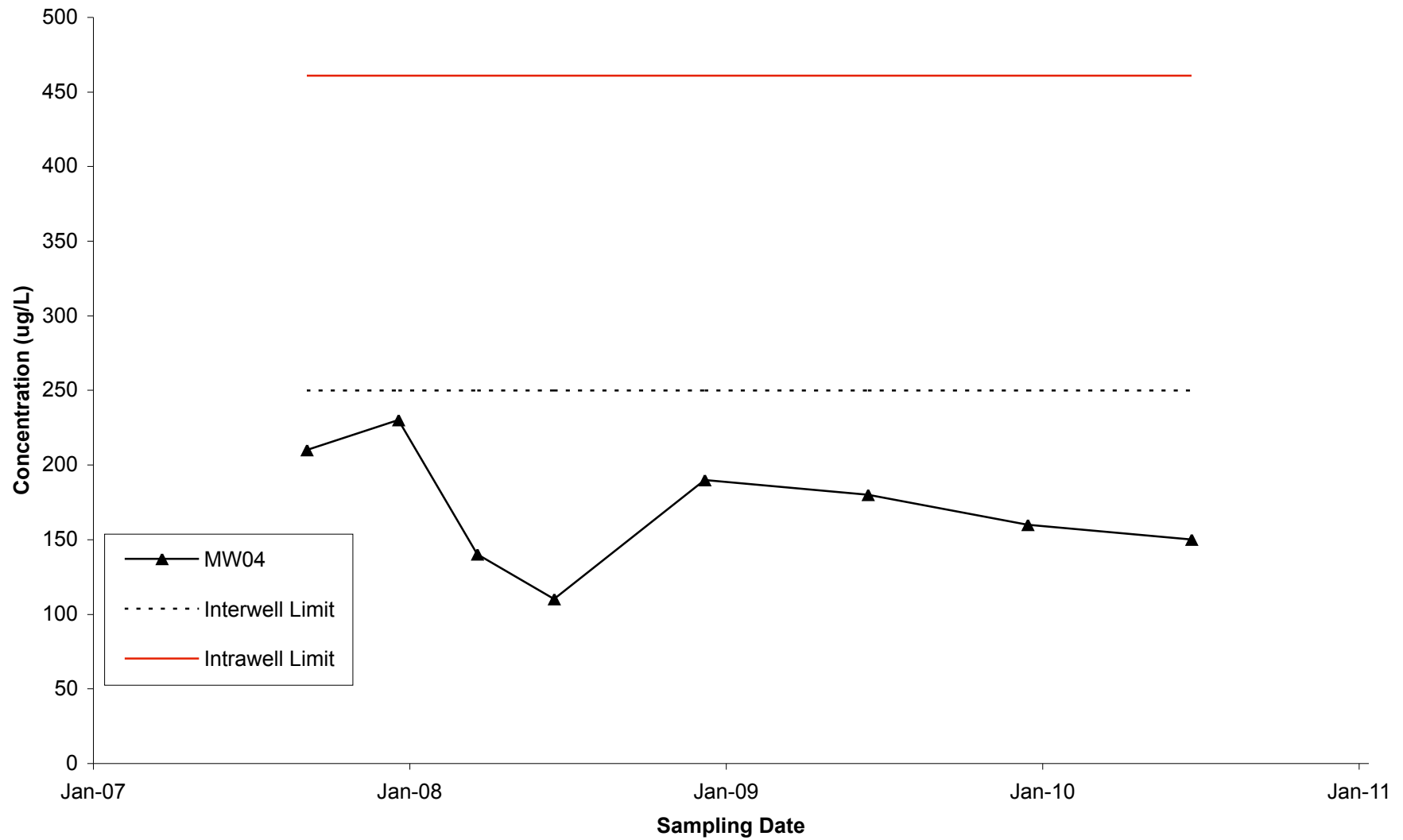
**1,1-Dichloroethene in Well MW04
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



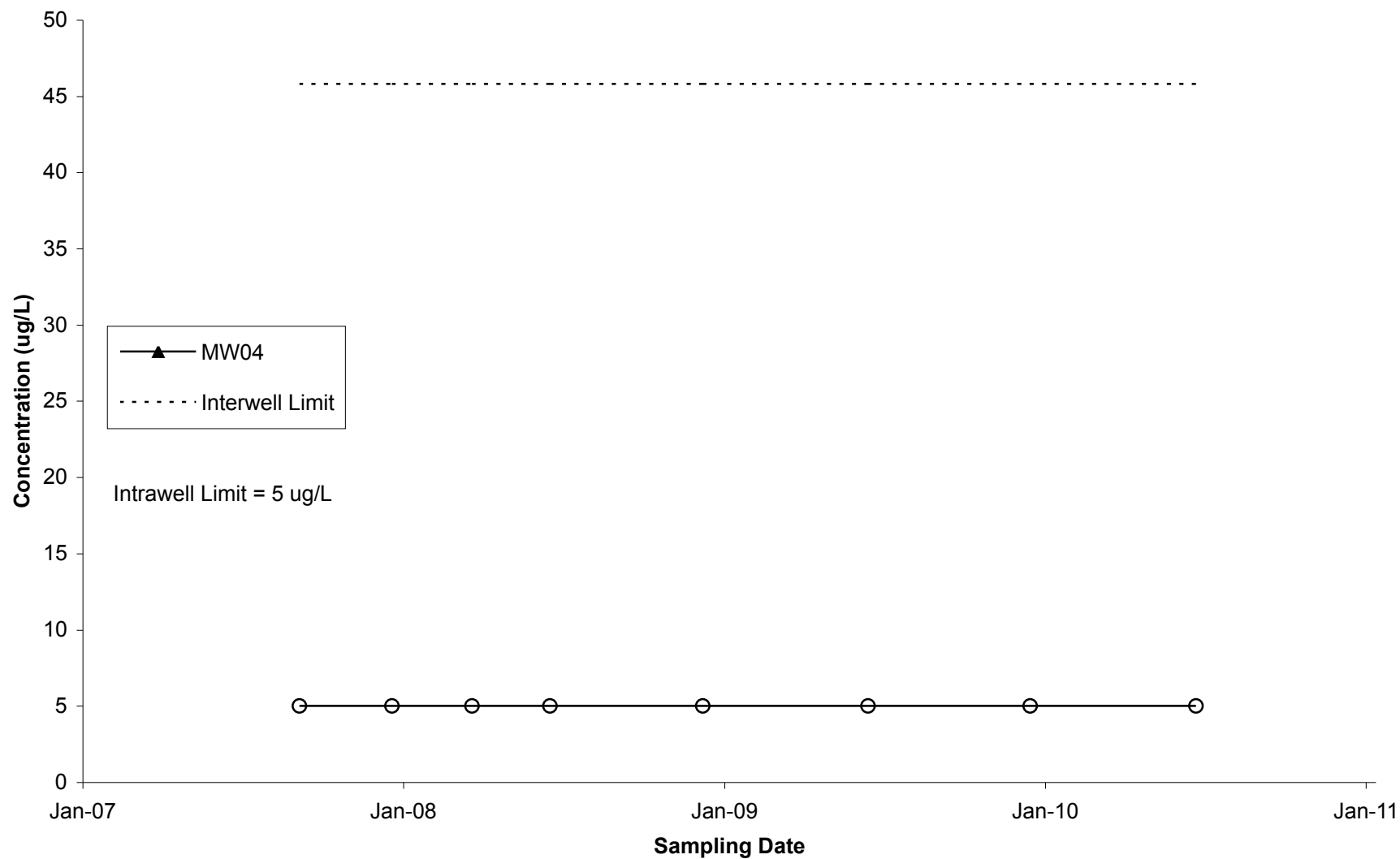
**cis-1,2-Dichloroethene in Well MW04
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



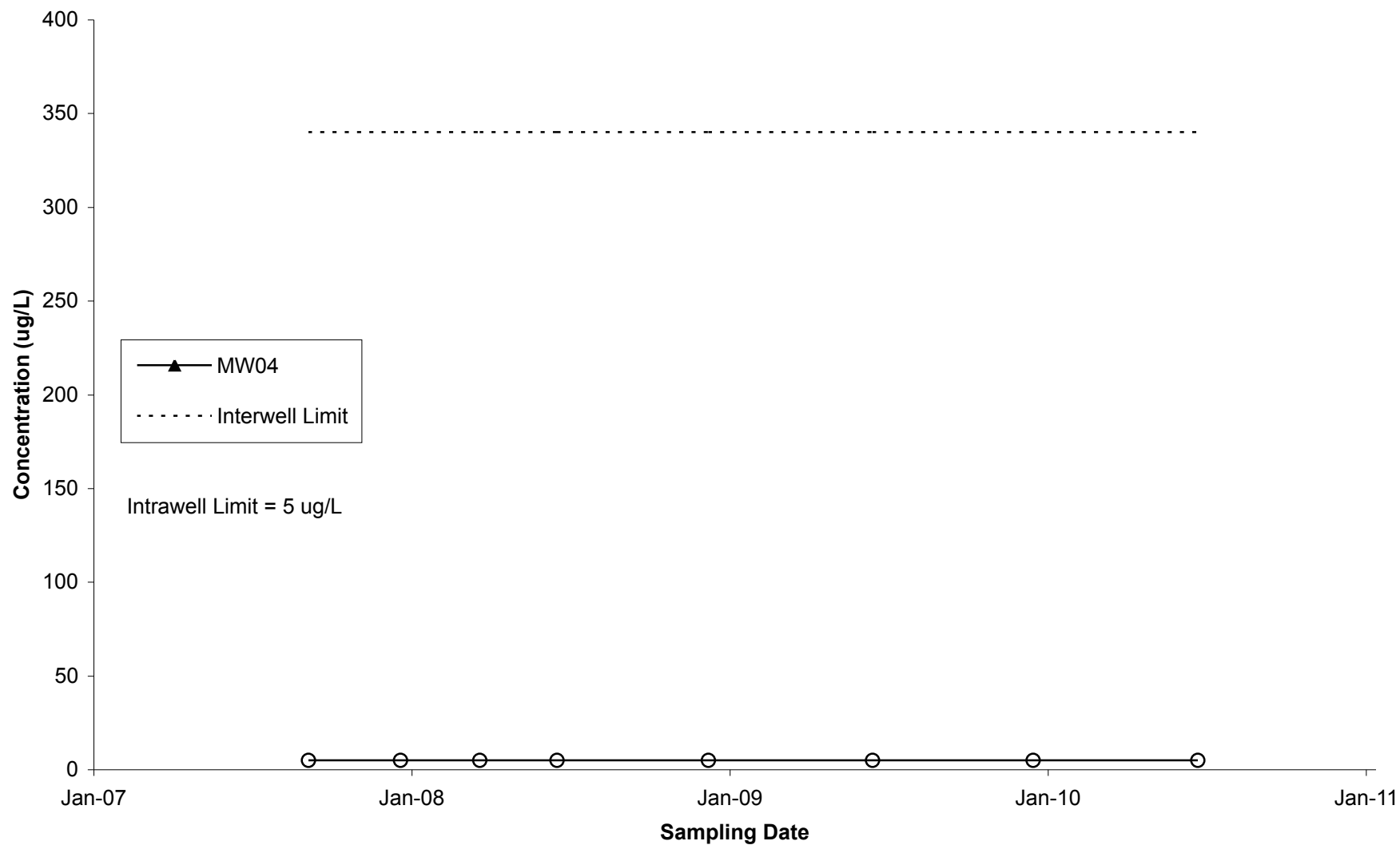
Tetrachloroethene in Well MW04 IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



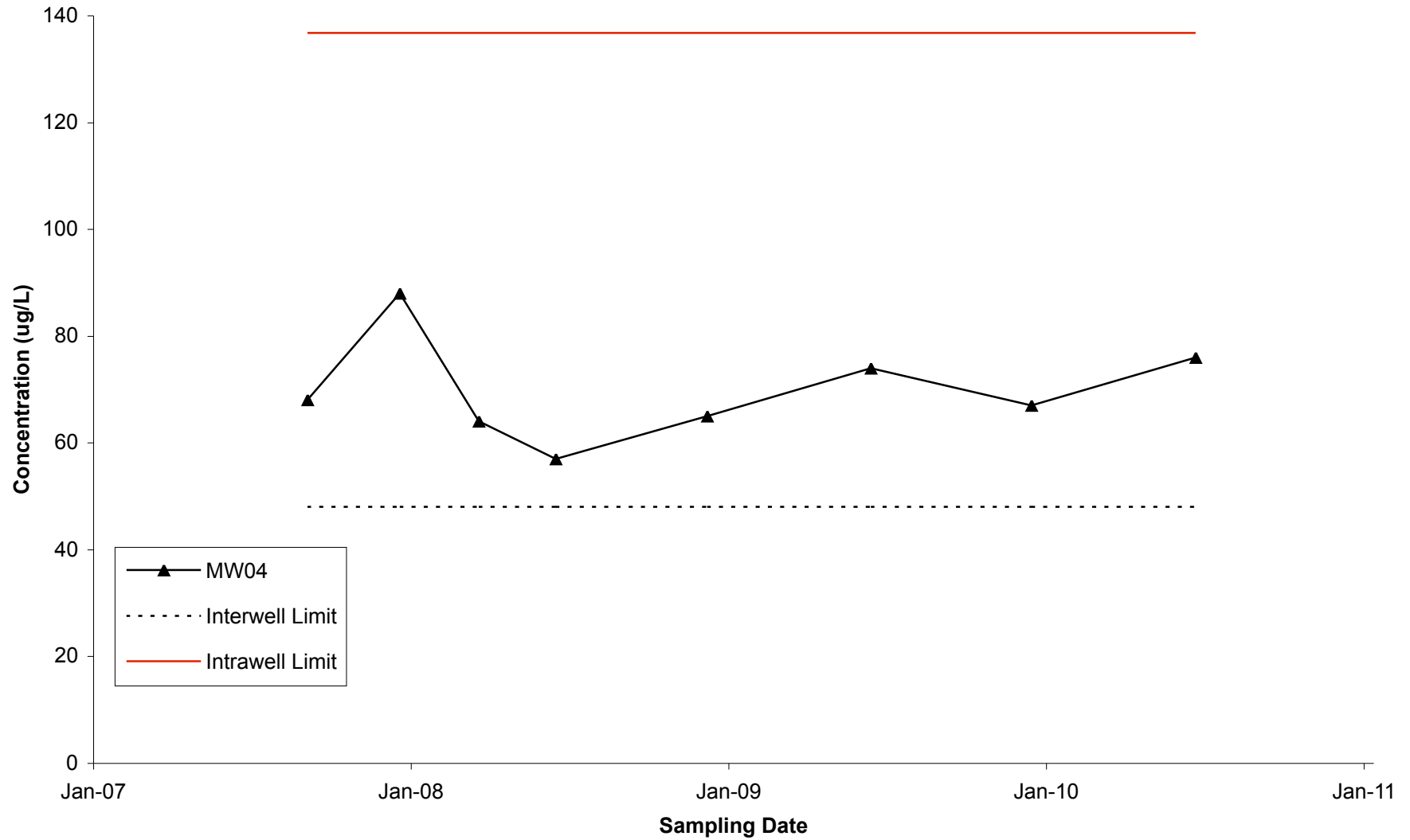
**Trichloroethene in Well MW04
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



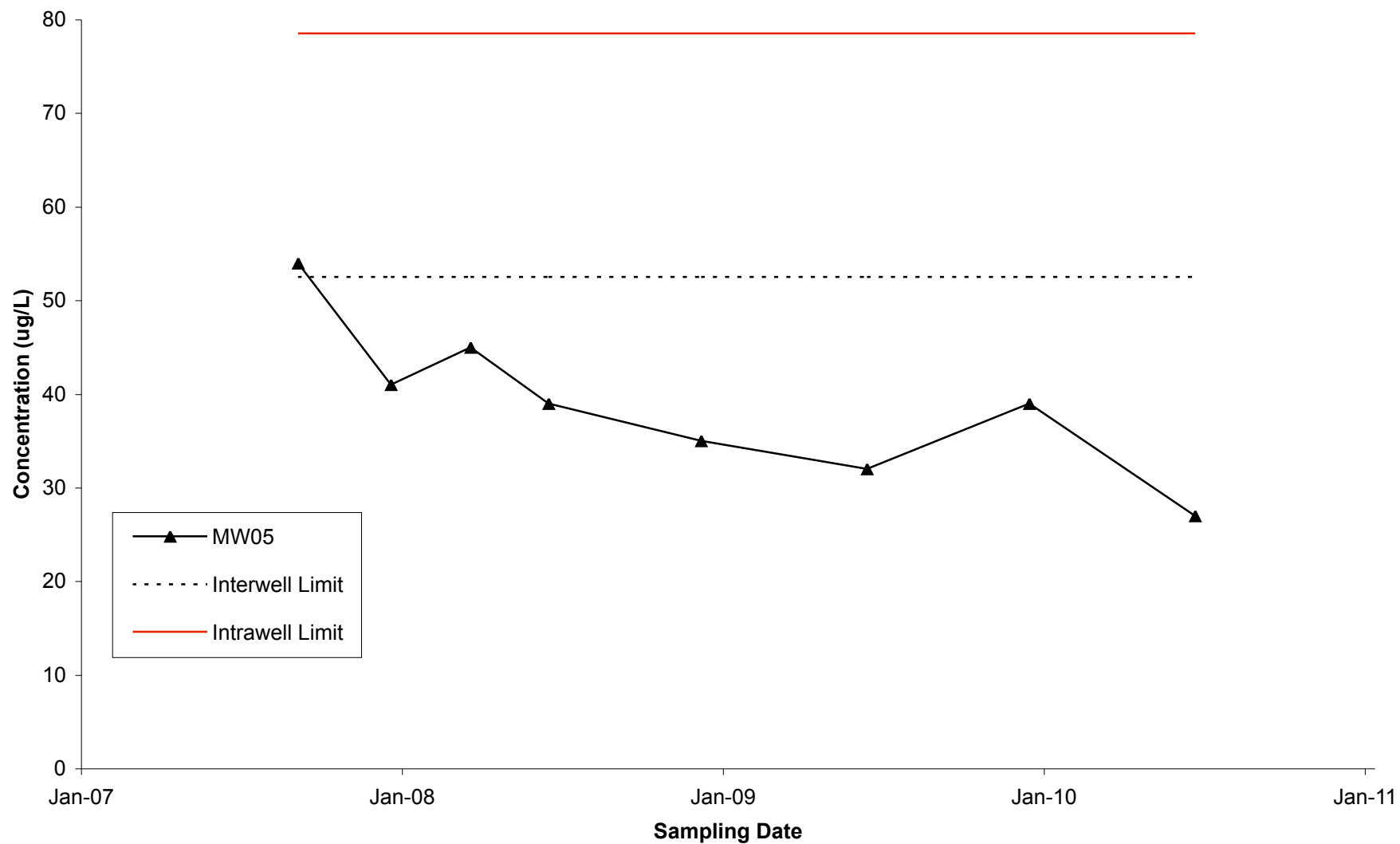
**Vinyl Chloride in Well MW04
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



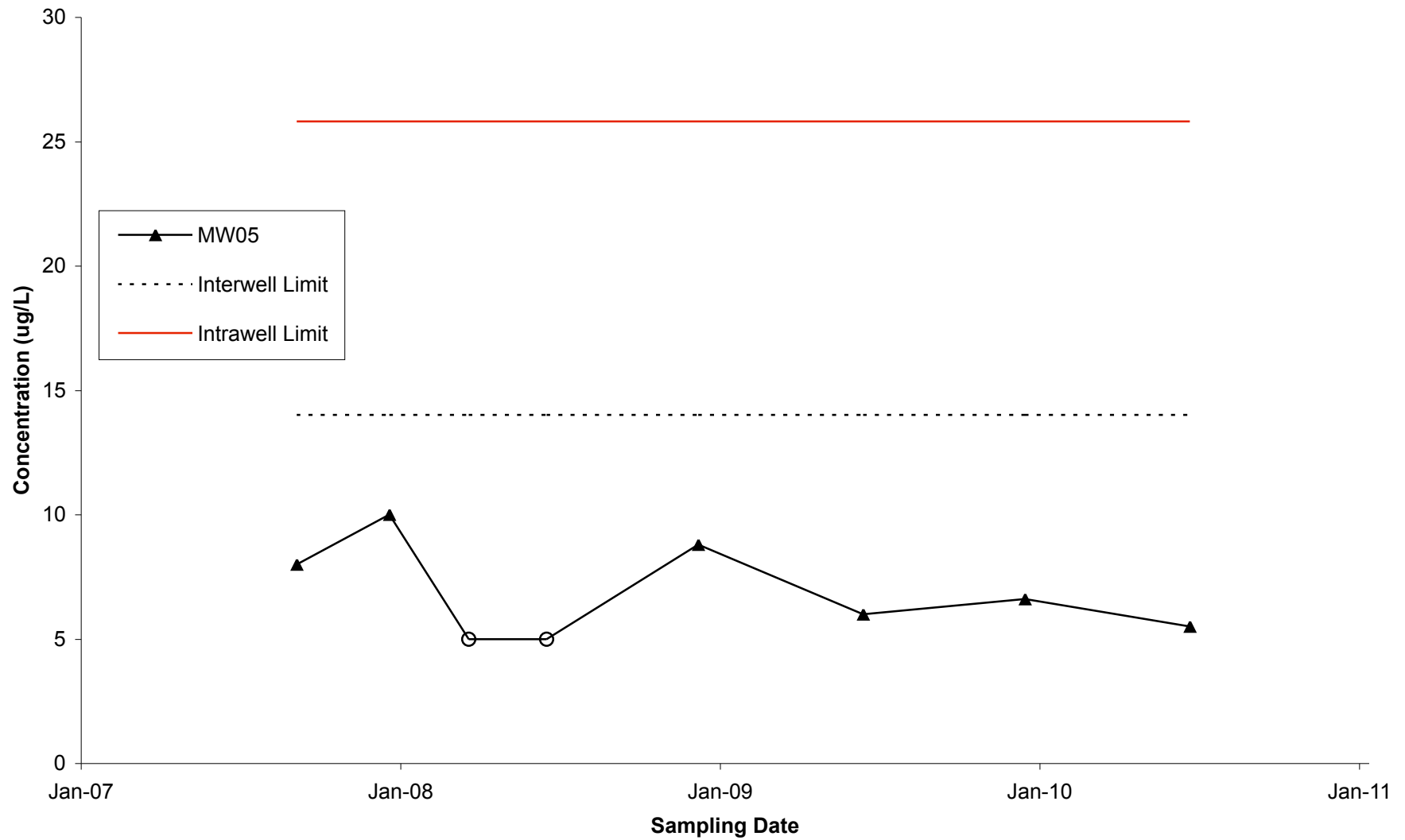
**1,1,1-Trichloroethane in Well MW05
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



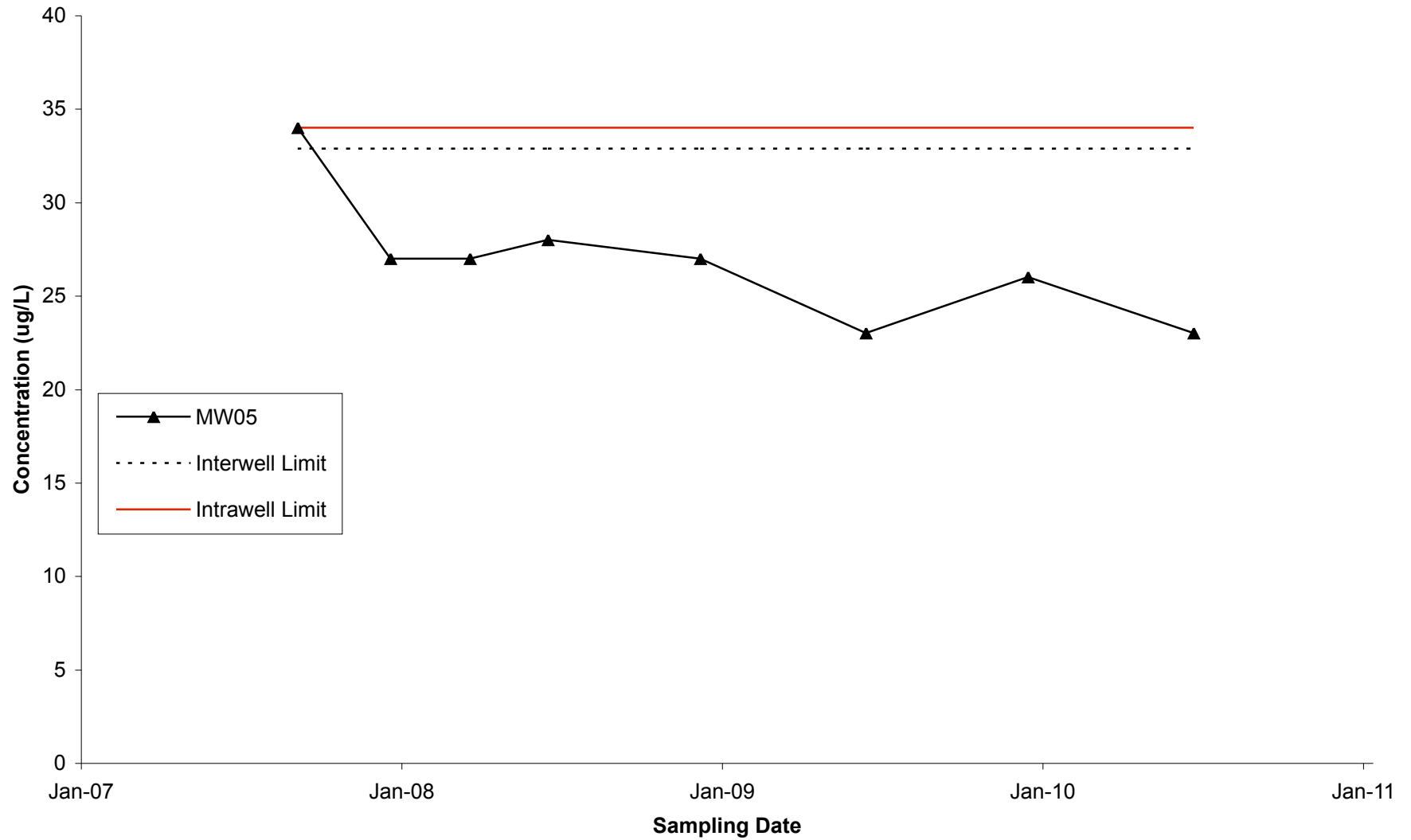
**1,1-Dichloroethane in Well MW05
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



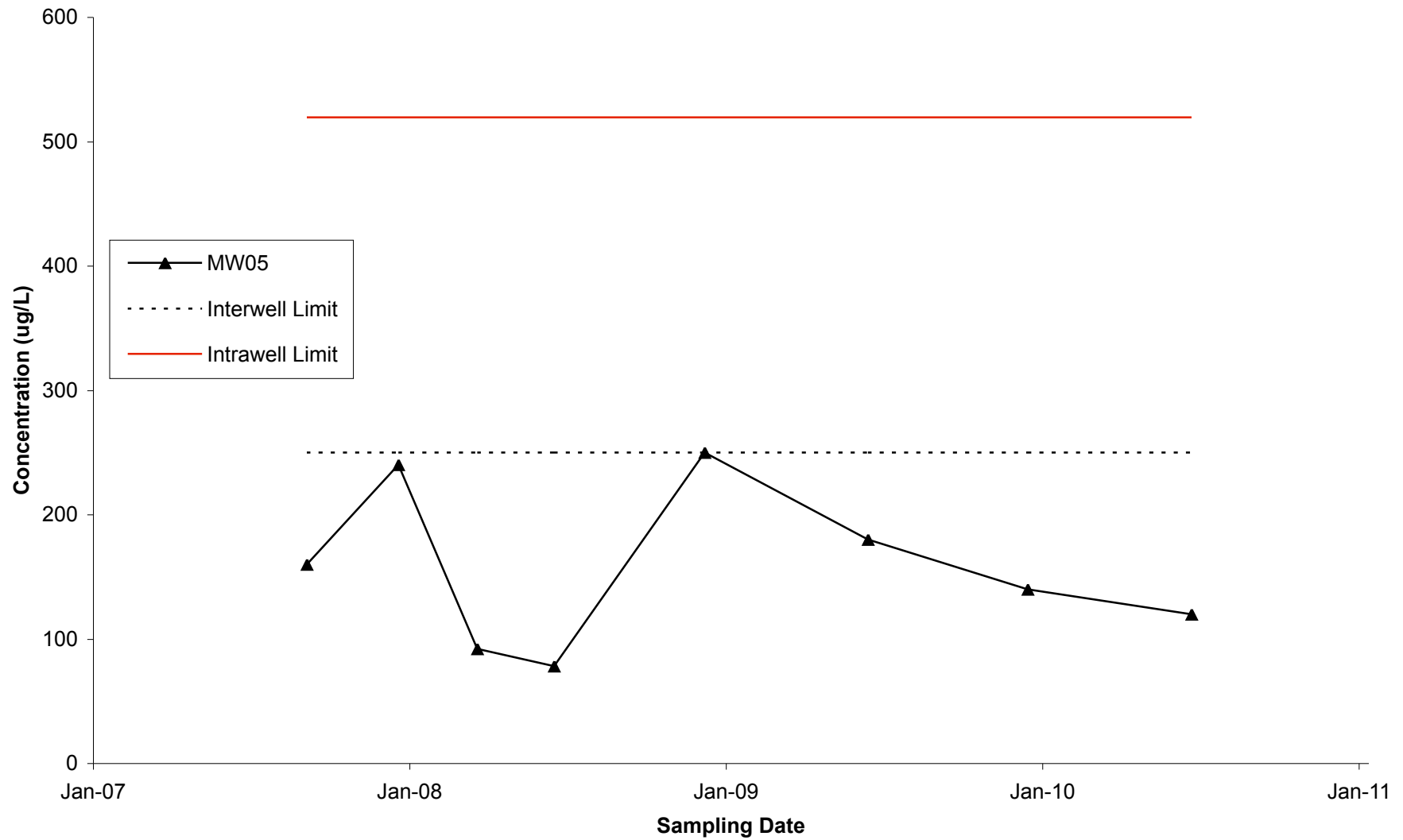
**1,1-Dichloroethene in Well MW05
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



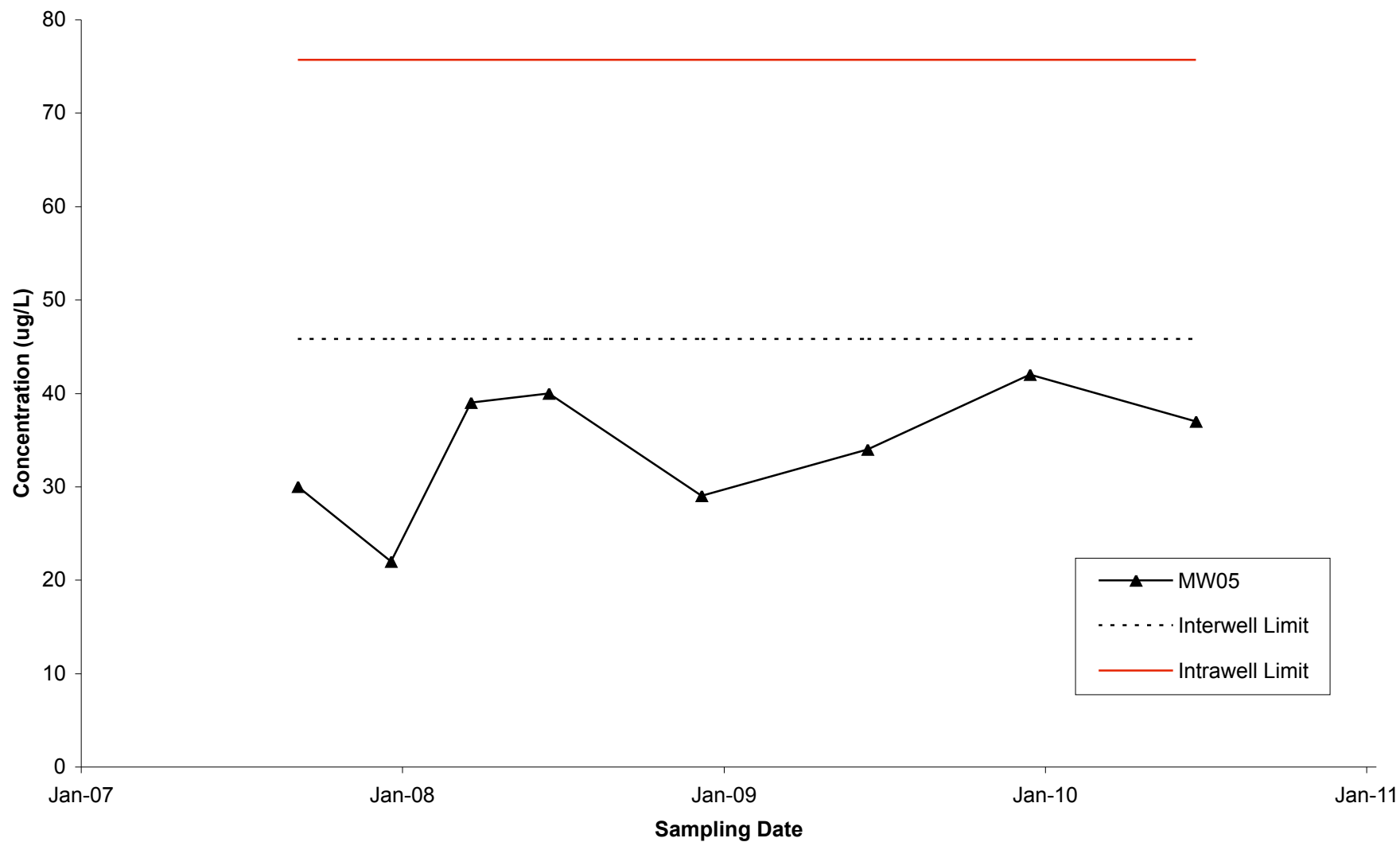
**cis-1,2-Dichloroethene in Well MW05
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



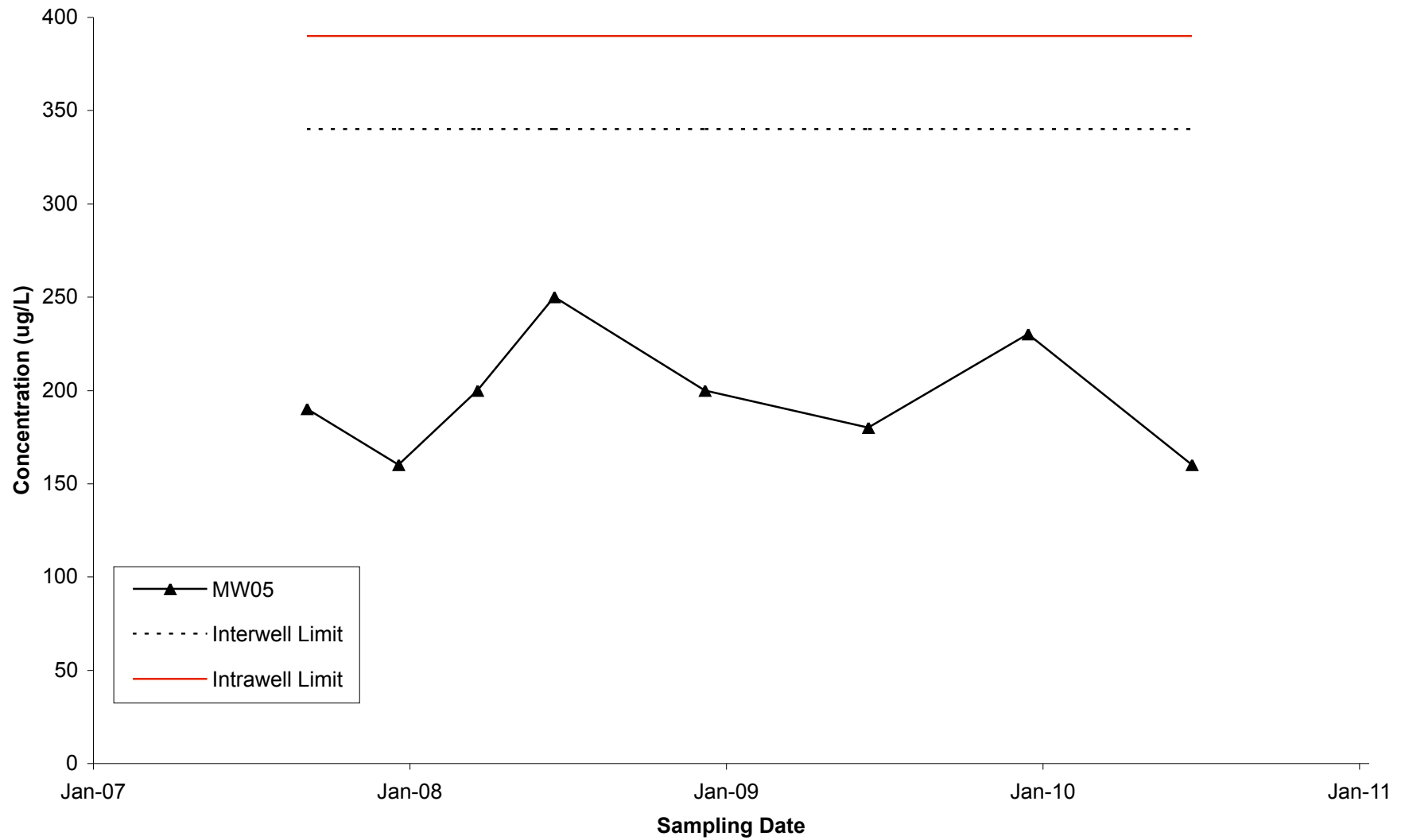
Tetrachloroethene in Well MW05 IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



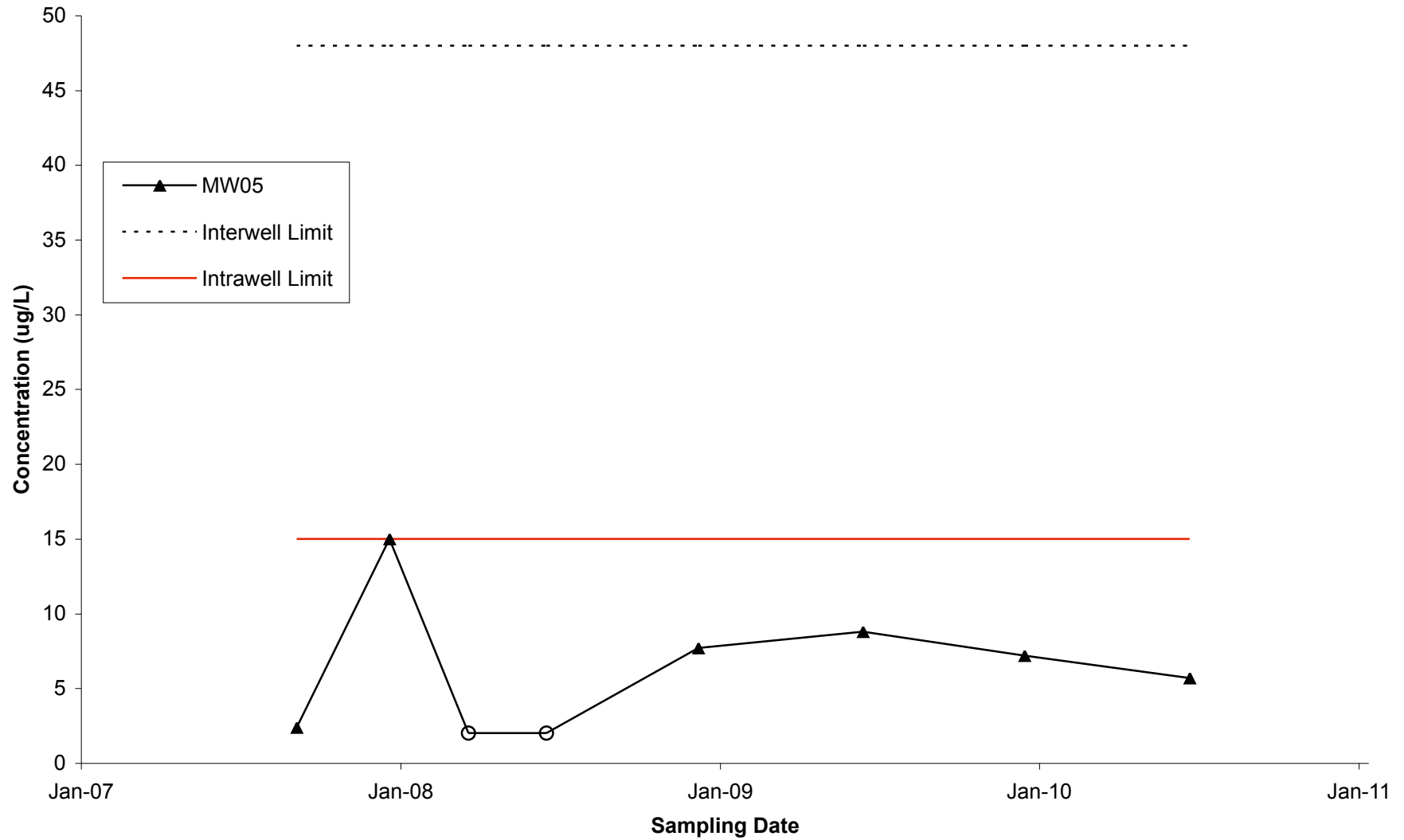
**Trichloroethene in Well MW05
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



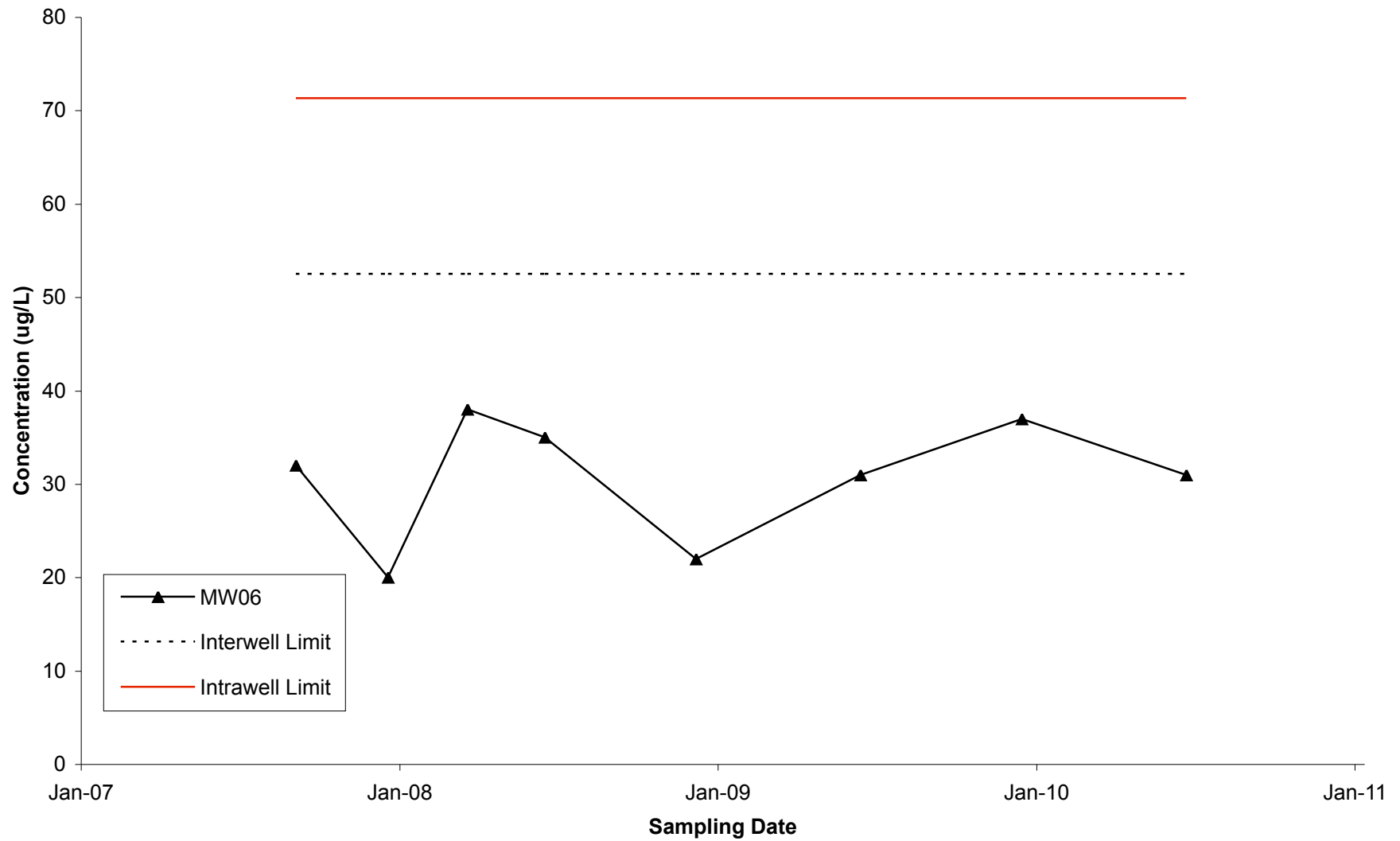
Vinyl Chloride in Well MW05 IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



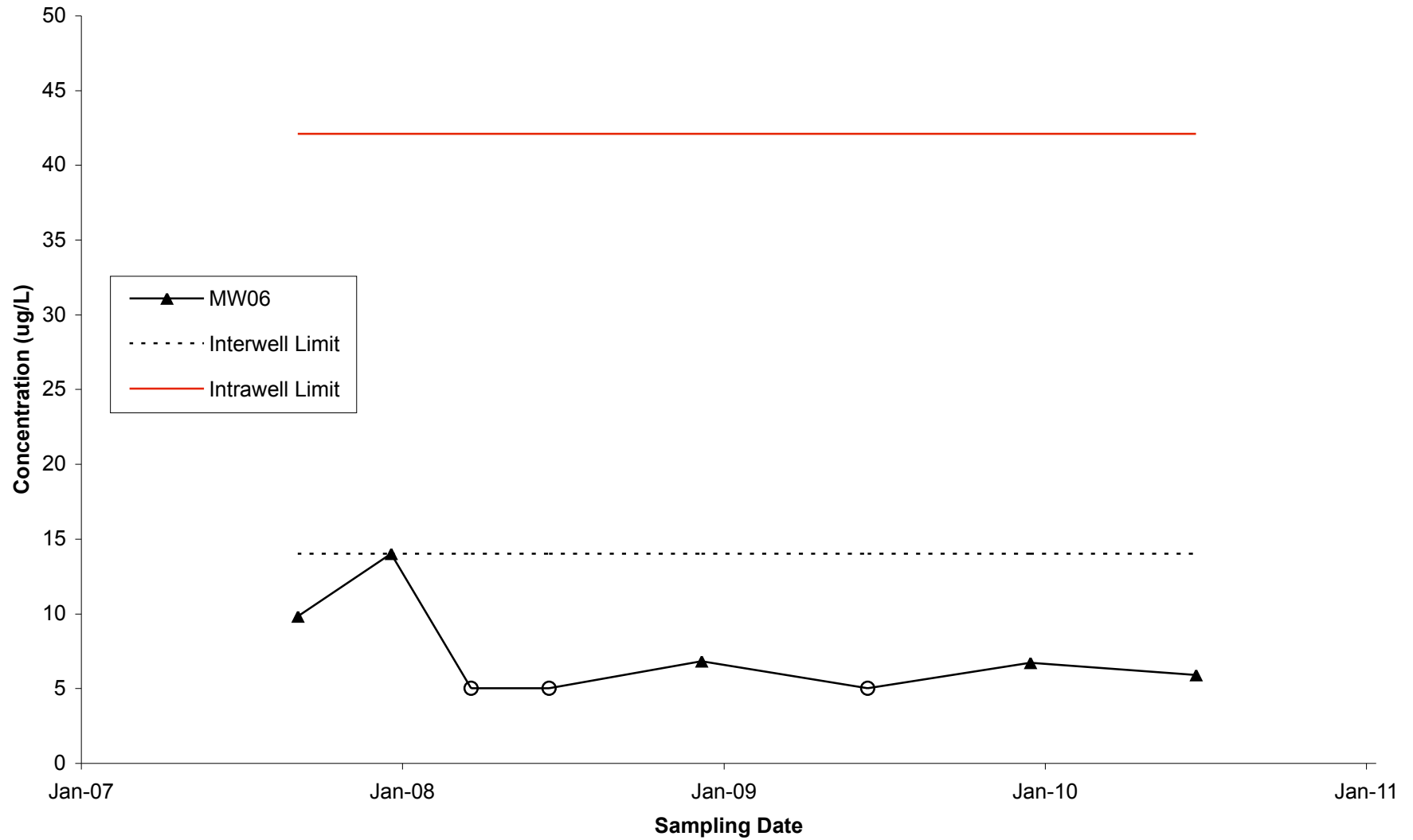
**1,1,1-Trichloroethane in Well MW06
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



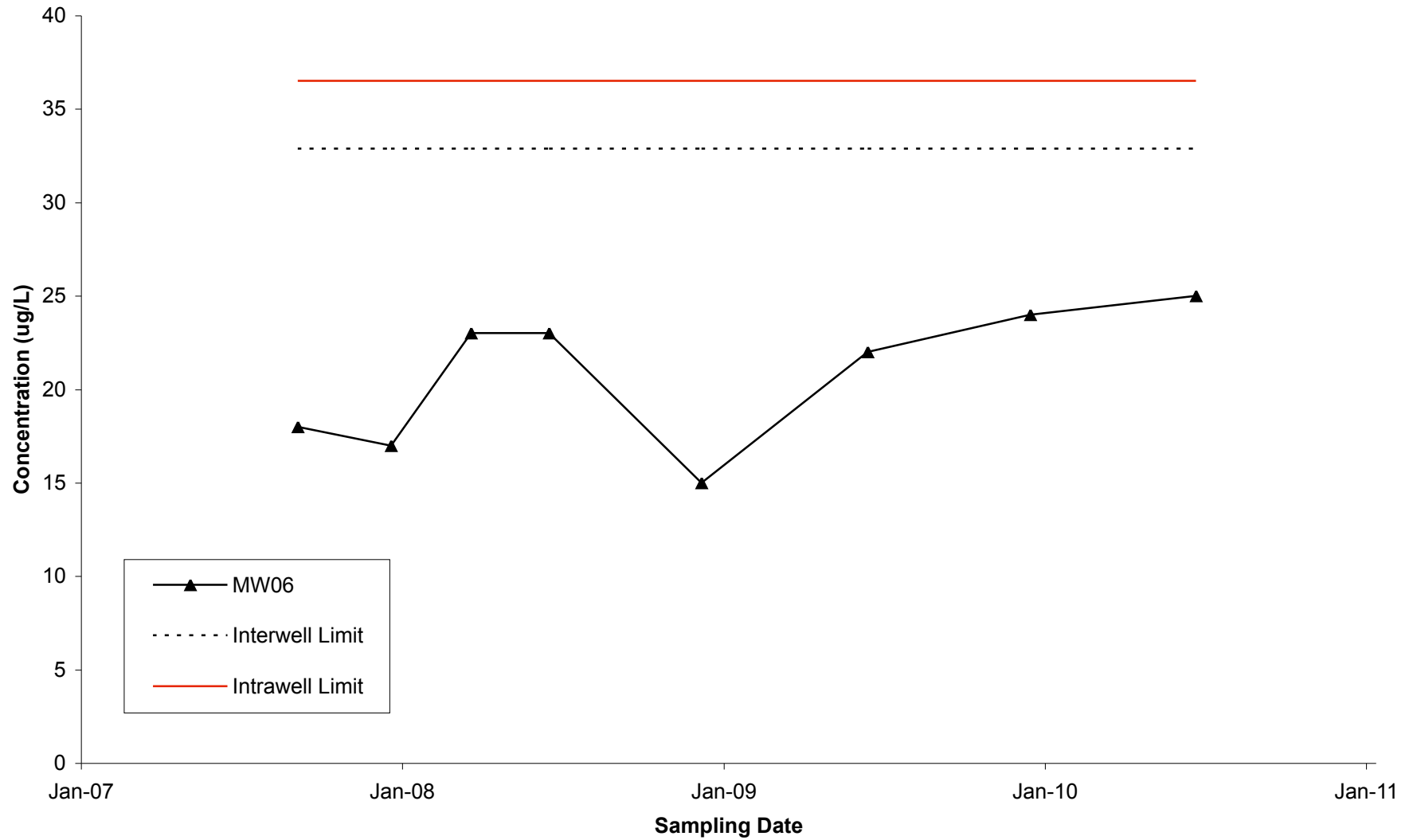
**1,1-Dichloroethane in Well MW06
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



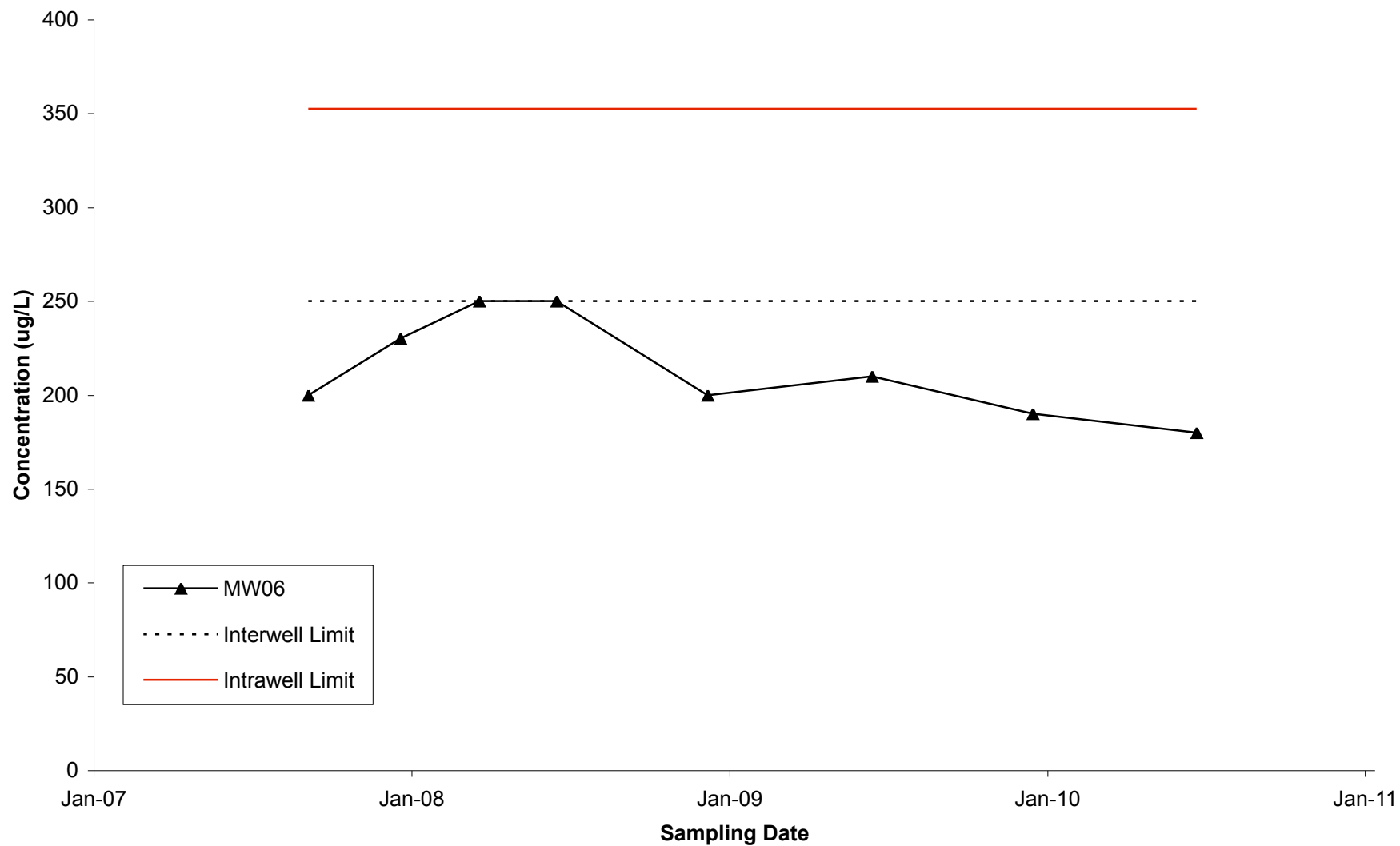
**1,1-Dichloroethene in Well MW06
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



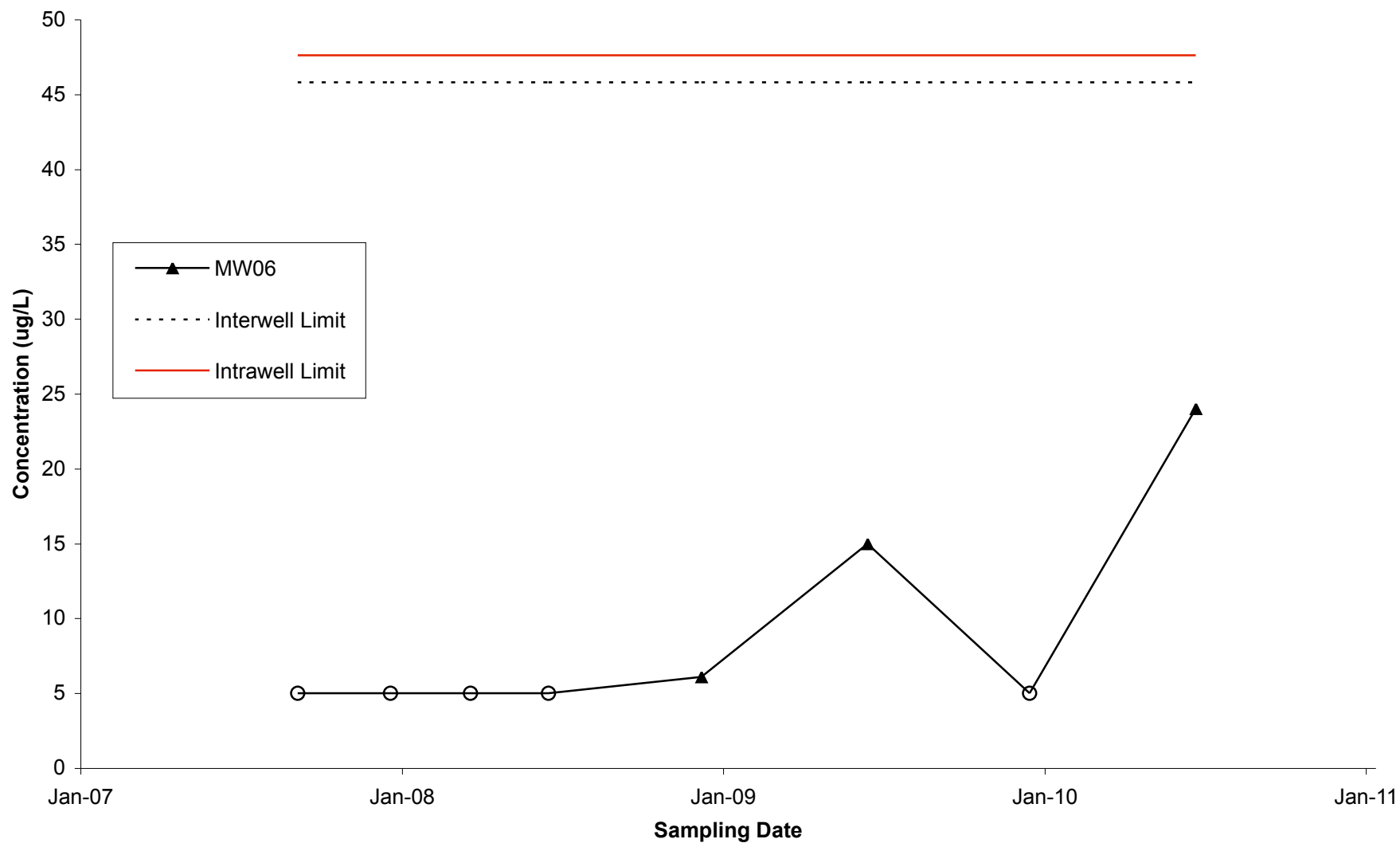
**cis-1,2-Dichloroethene in Well MW06
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



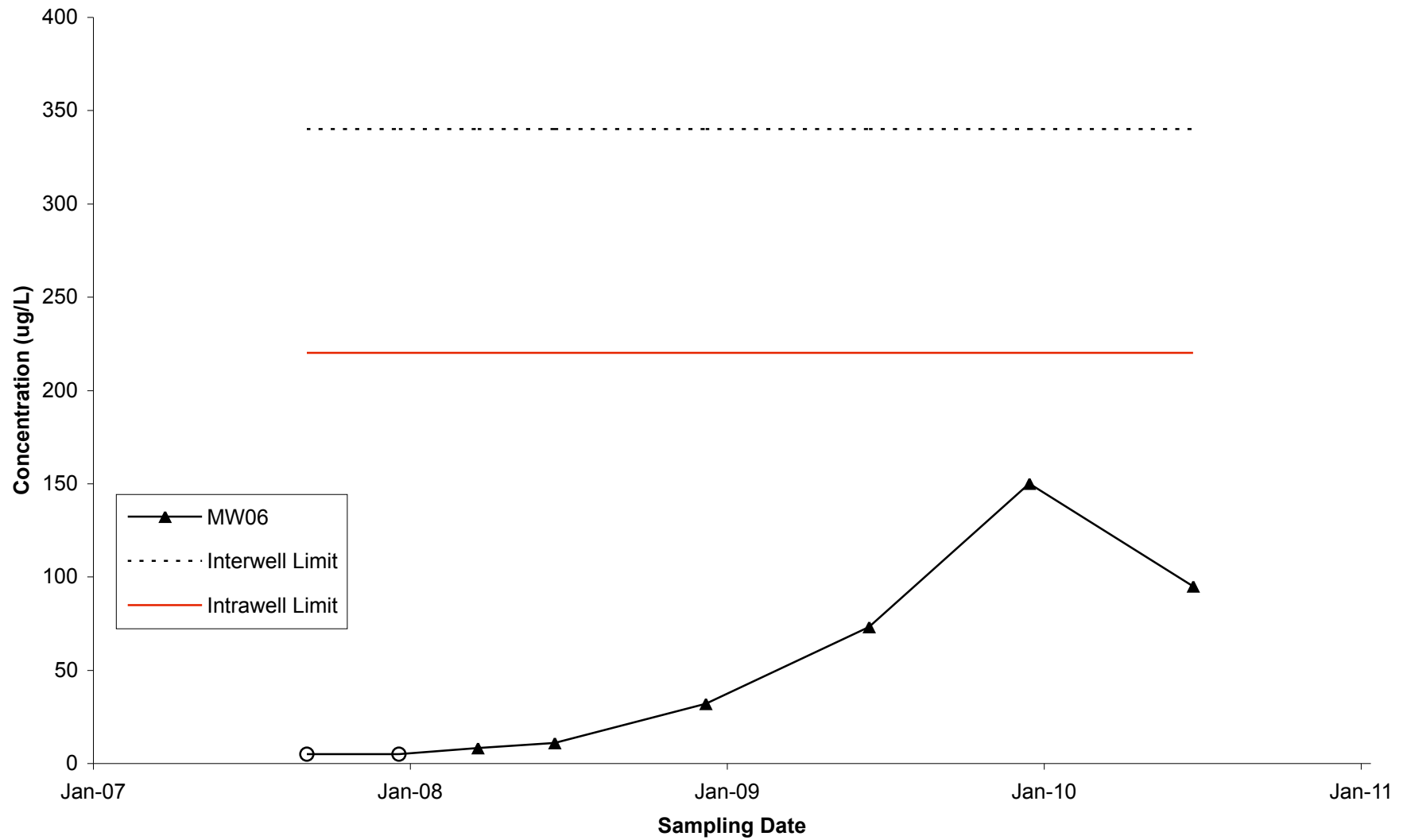
Tetrachloroethene in Well MW06 IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



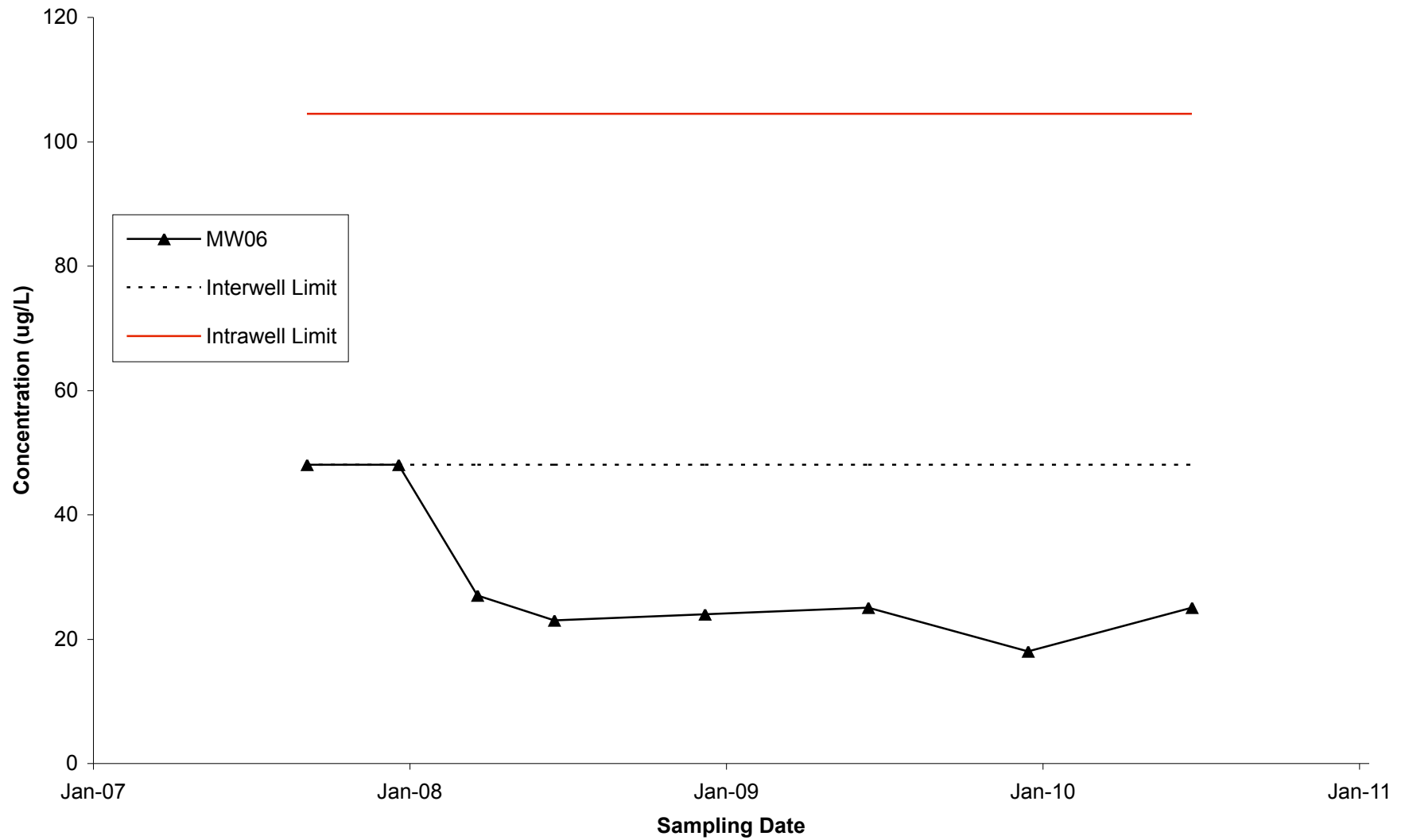
**Trichloroethene in Well MW06
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



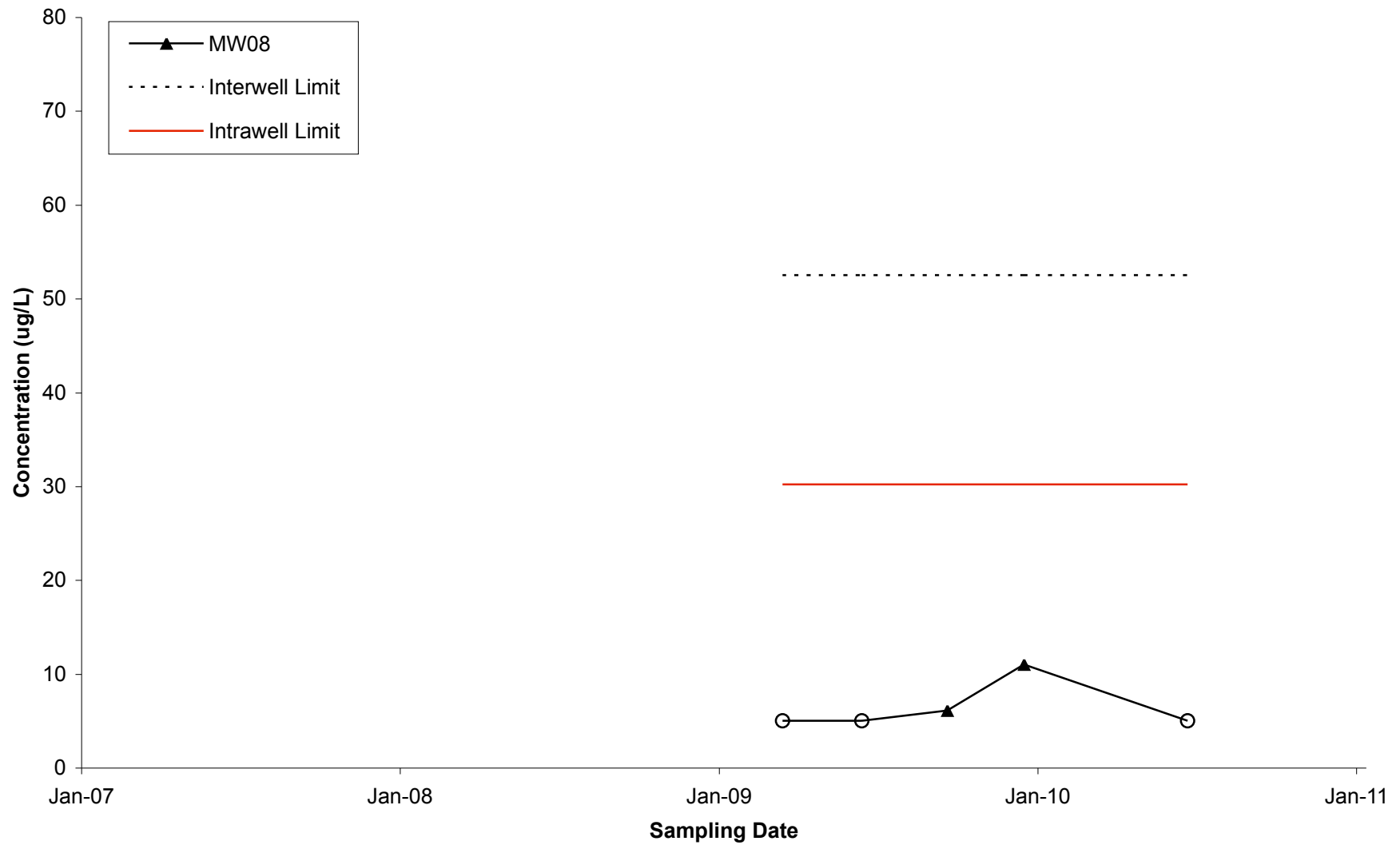
Vinyl Chloride in Well MW06 IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



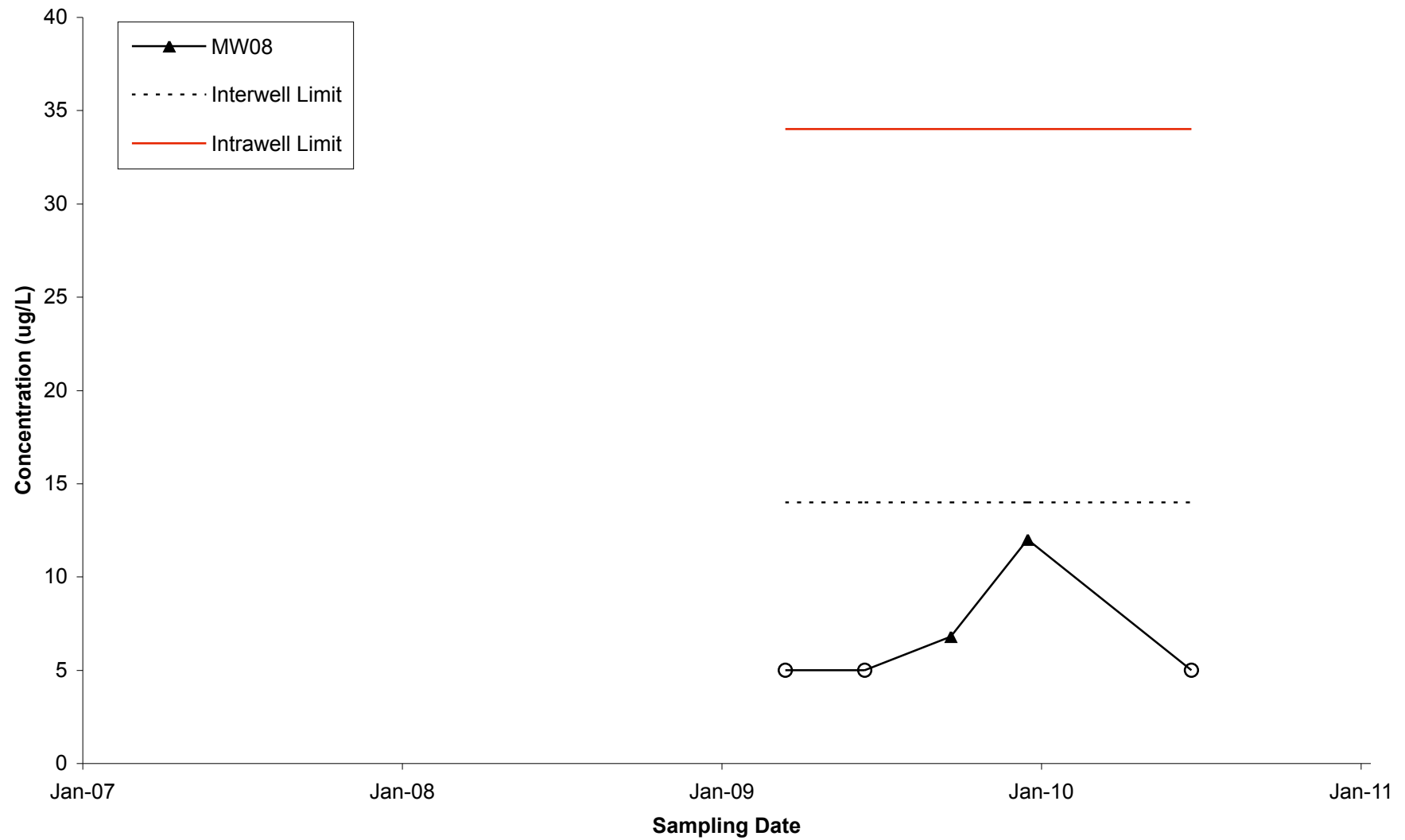
**1,1,1-Trichloroethane in Well MW08
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.

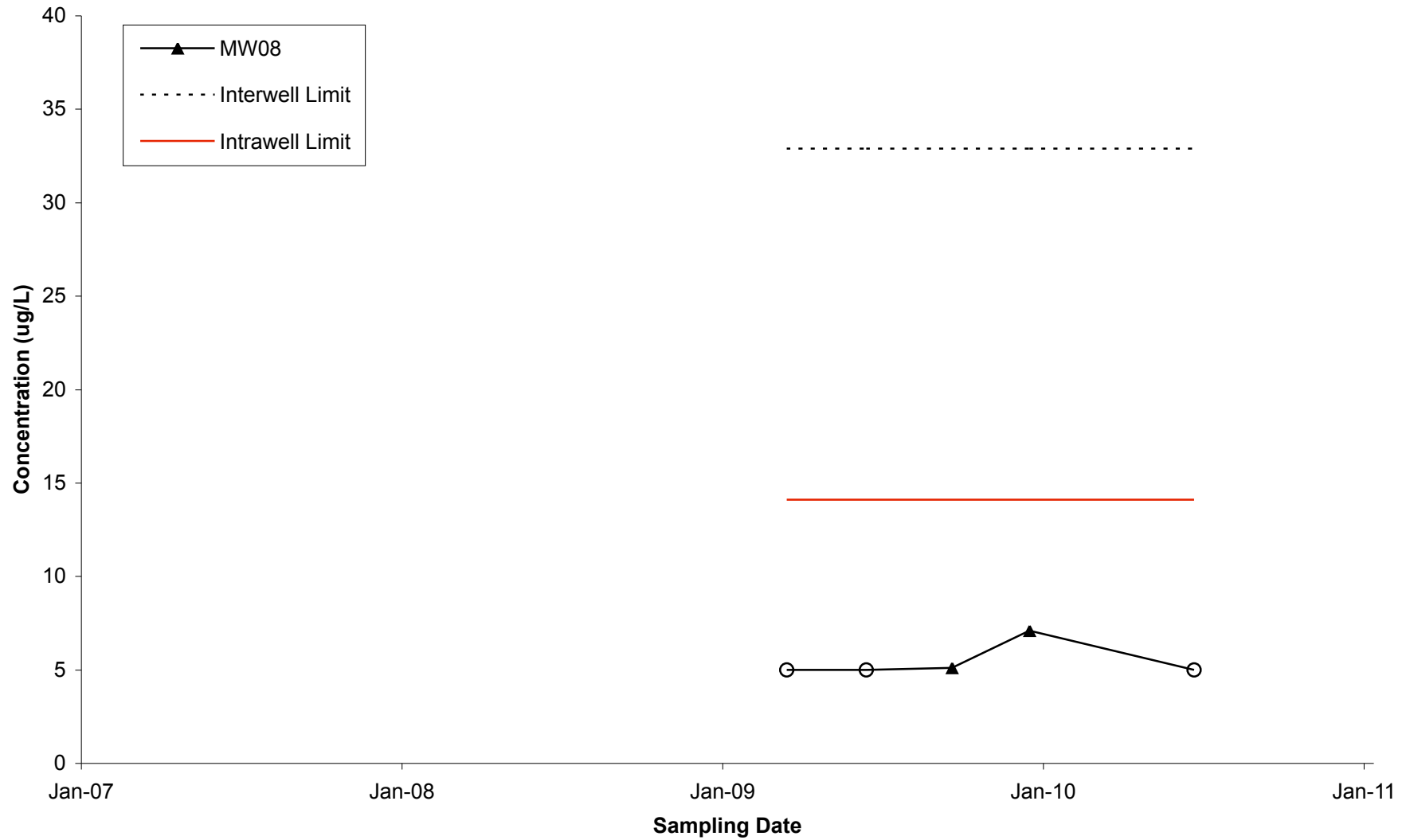


**1,1-Dichloroethane in Well MW08
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.

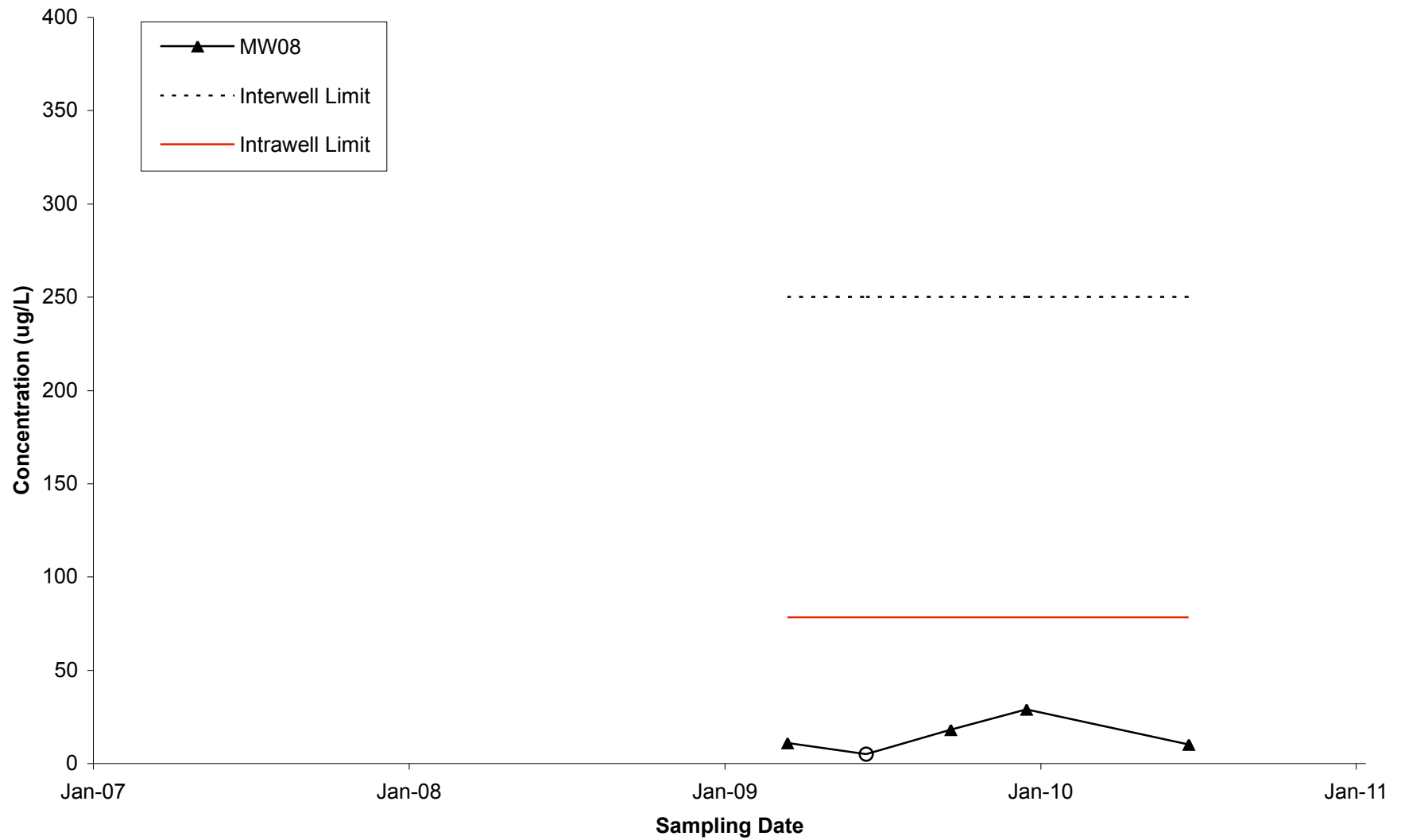


Note: Non-detects are marked with a clear circle.

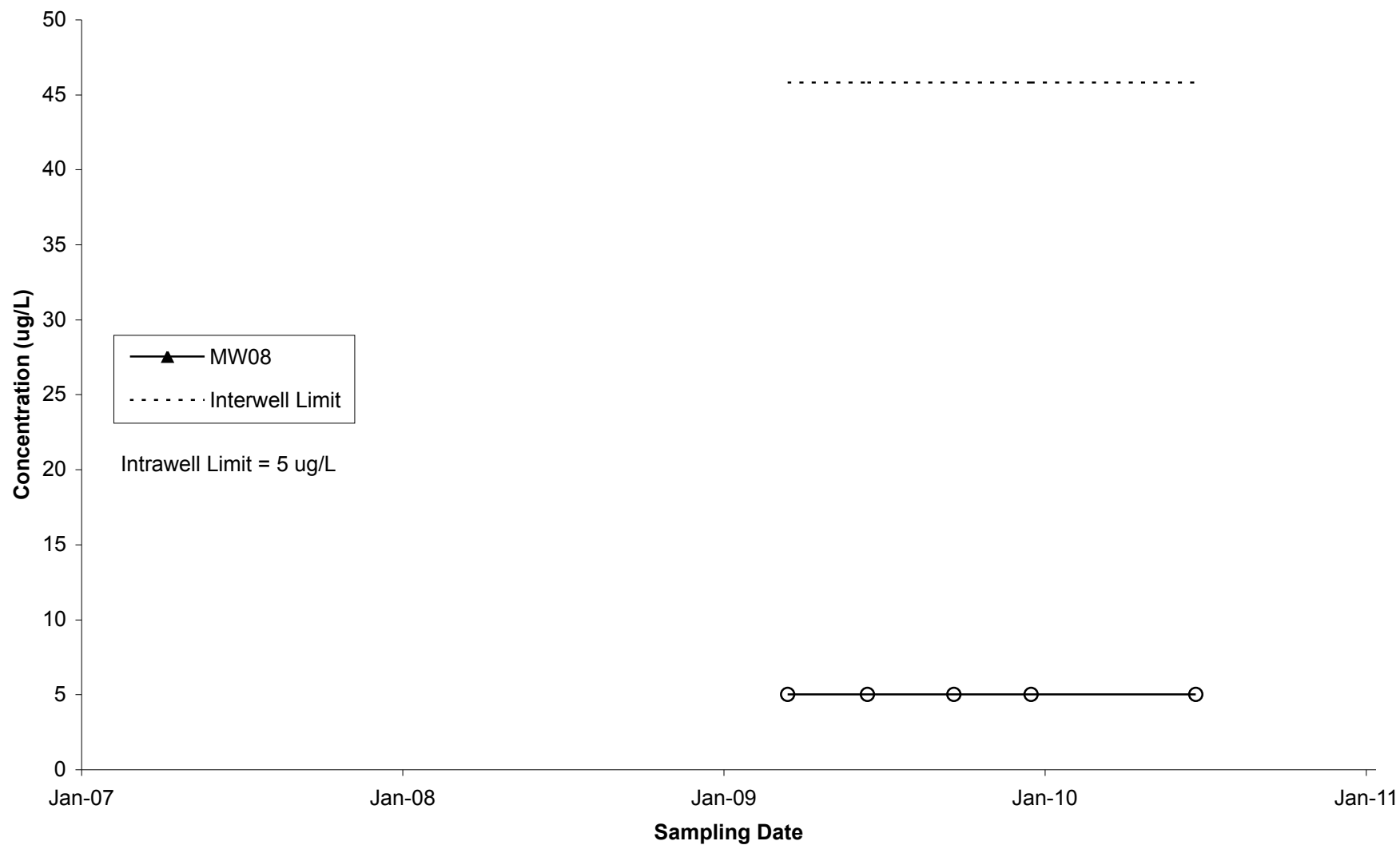


**cis-1,2-Dichloroethene in Well MW08
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.

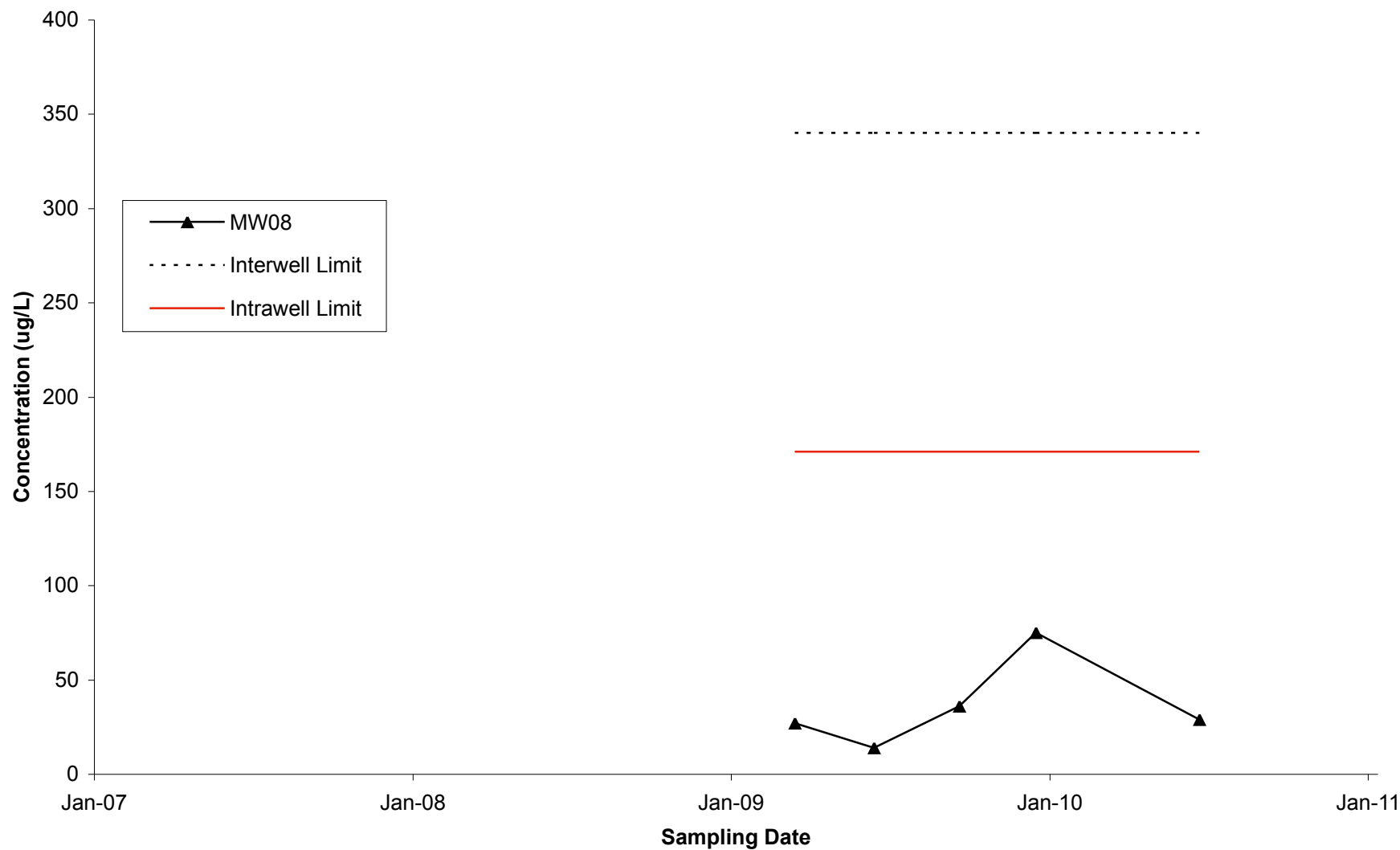


Note: Non-detects are marked with a clear circle.



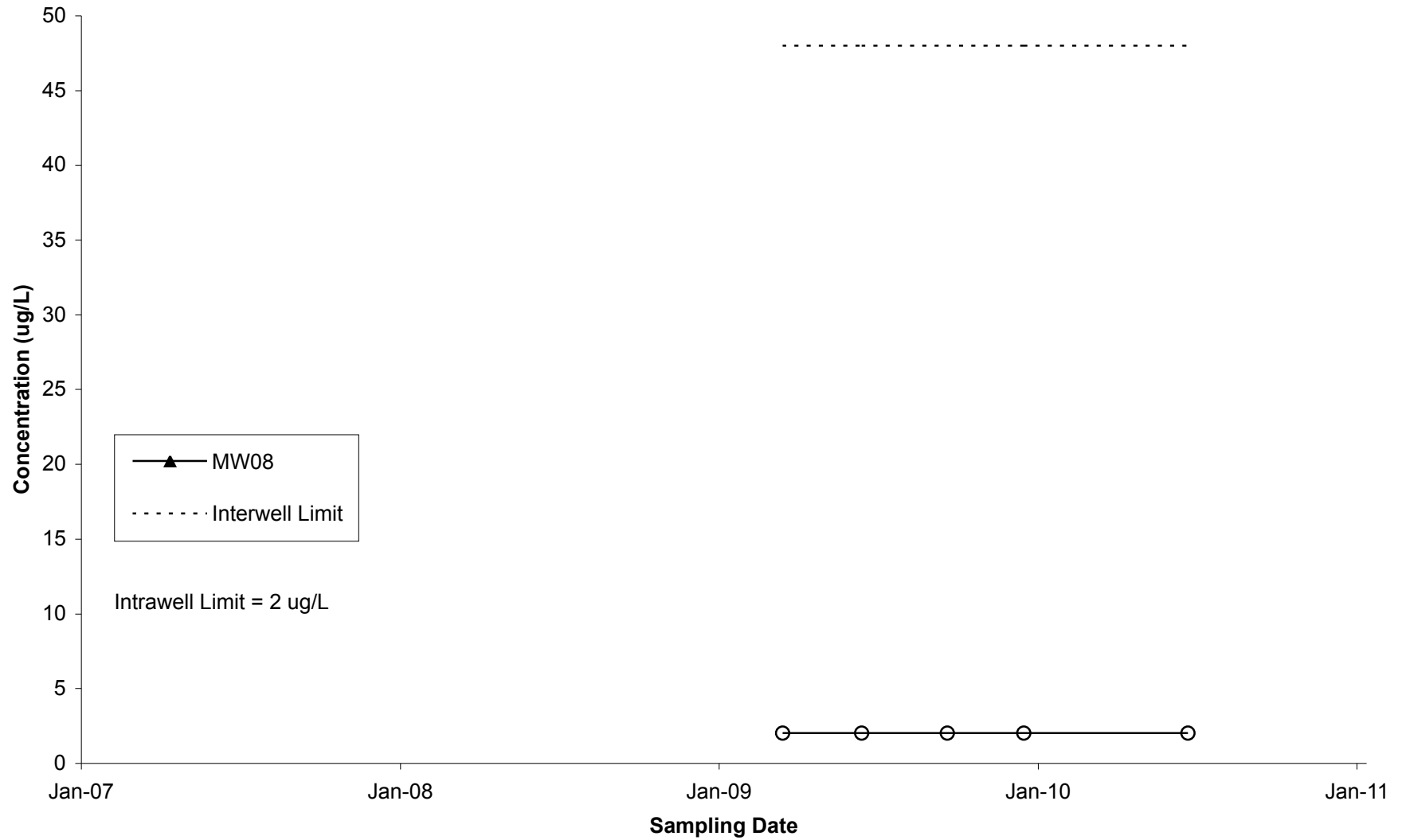
**Trichloroethene in Well MW08
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



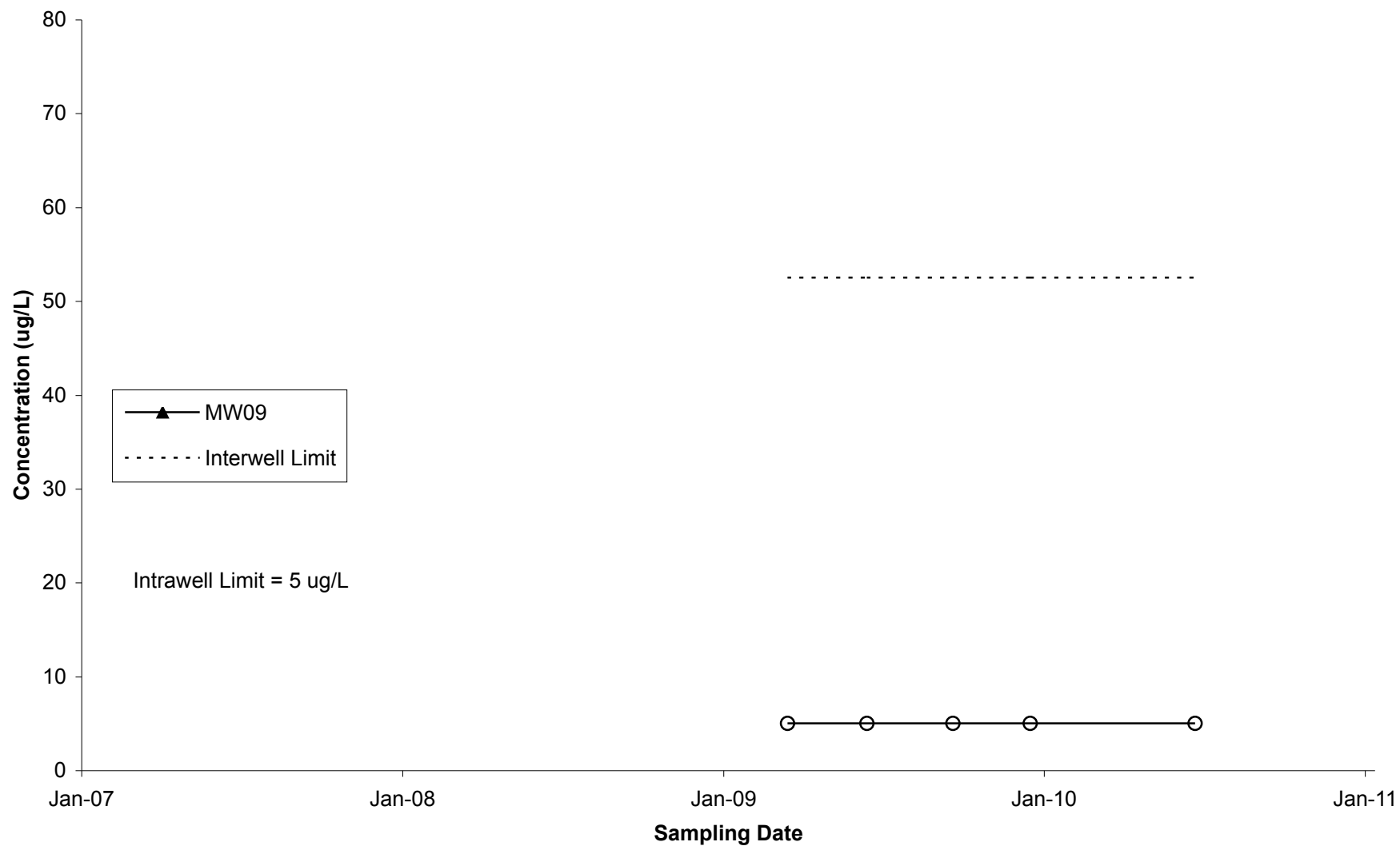
Vinyl Chloride in Well MW08 IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.

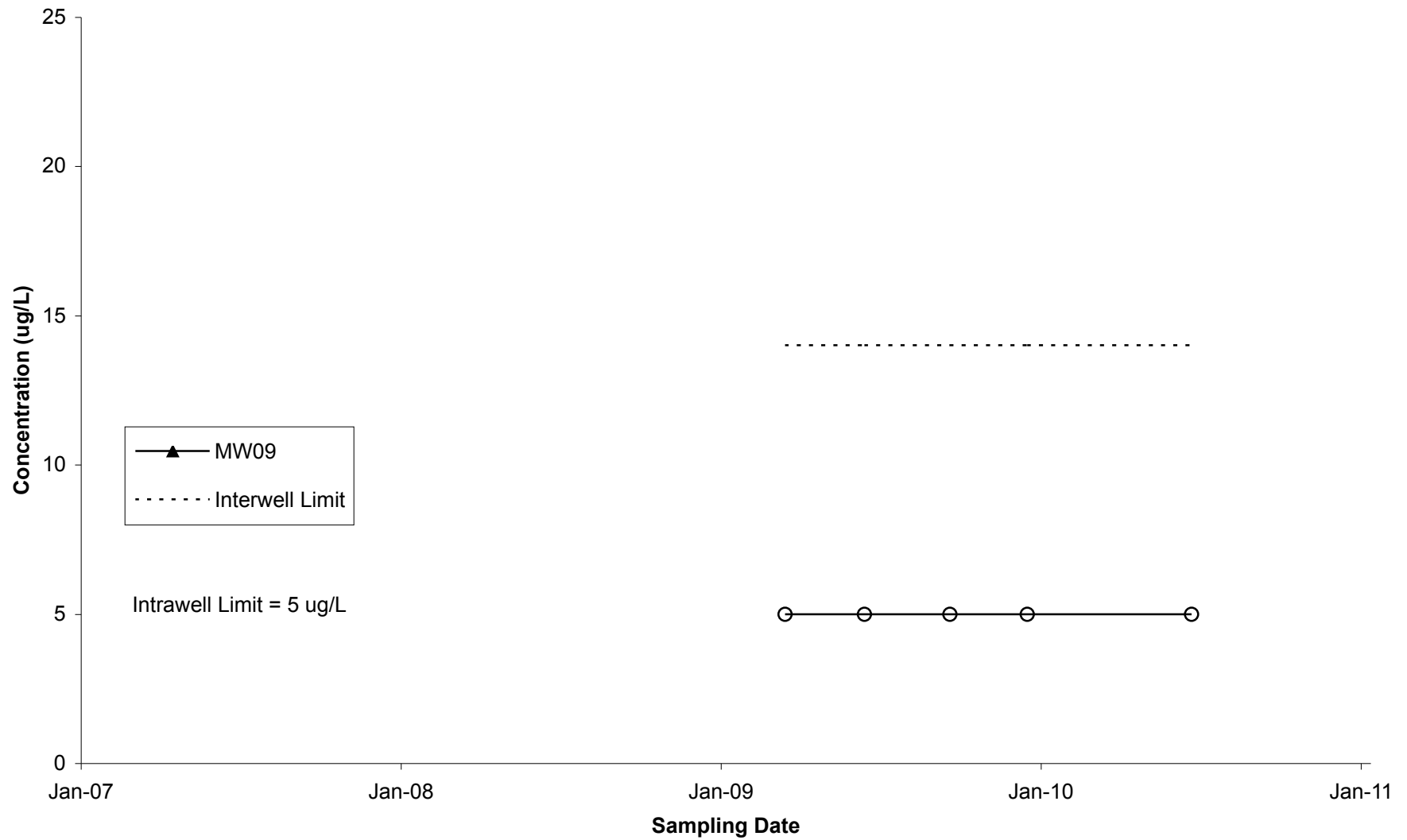


**1,1,1-Trichloroethane in Well MW09
IPC/Roto-Rooter Landfill**

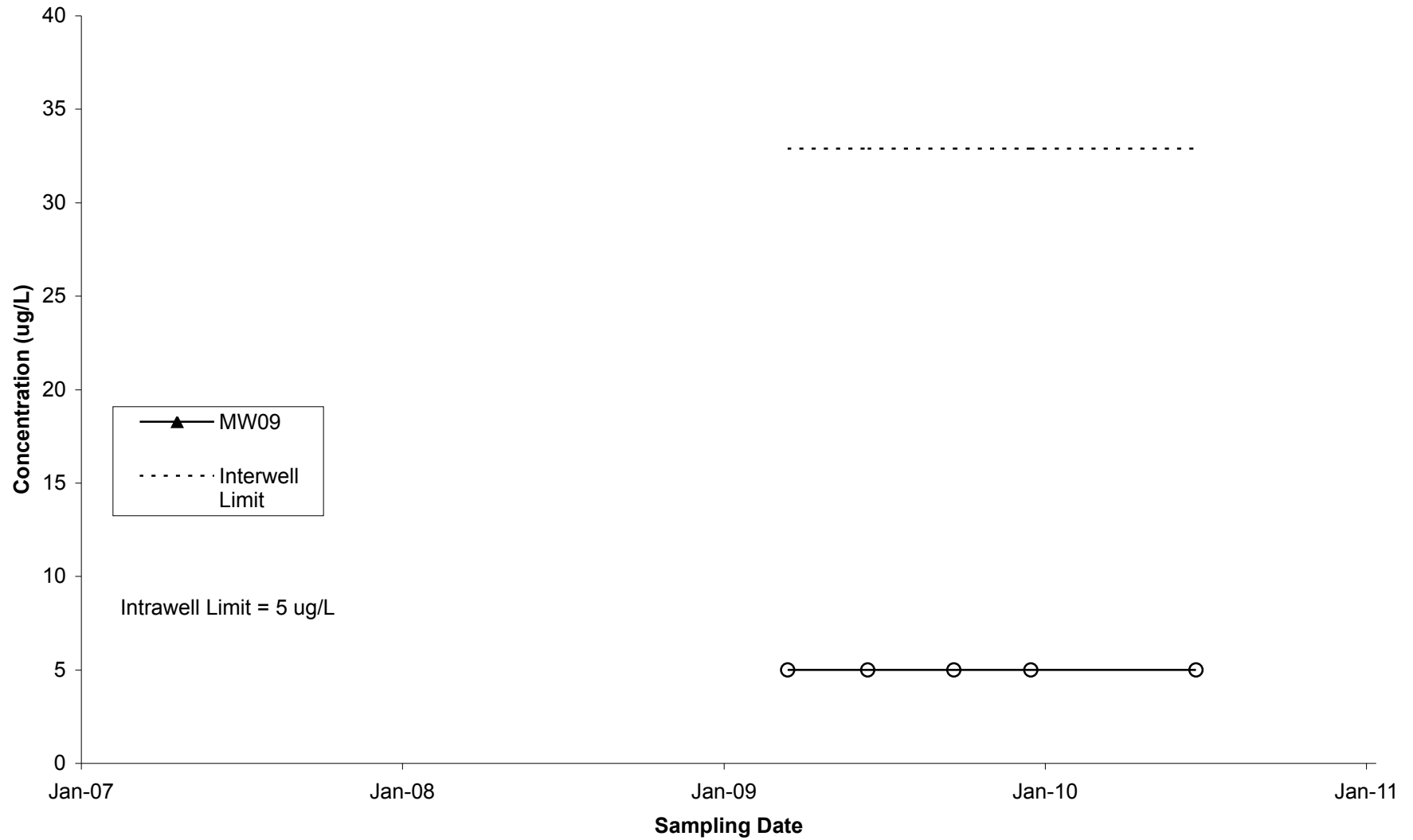
Note: Non-detects are
marked with a clear circle.



Note: Non-detects are marked with a clear circle.

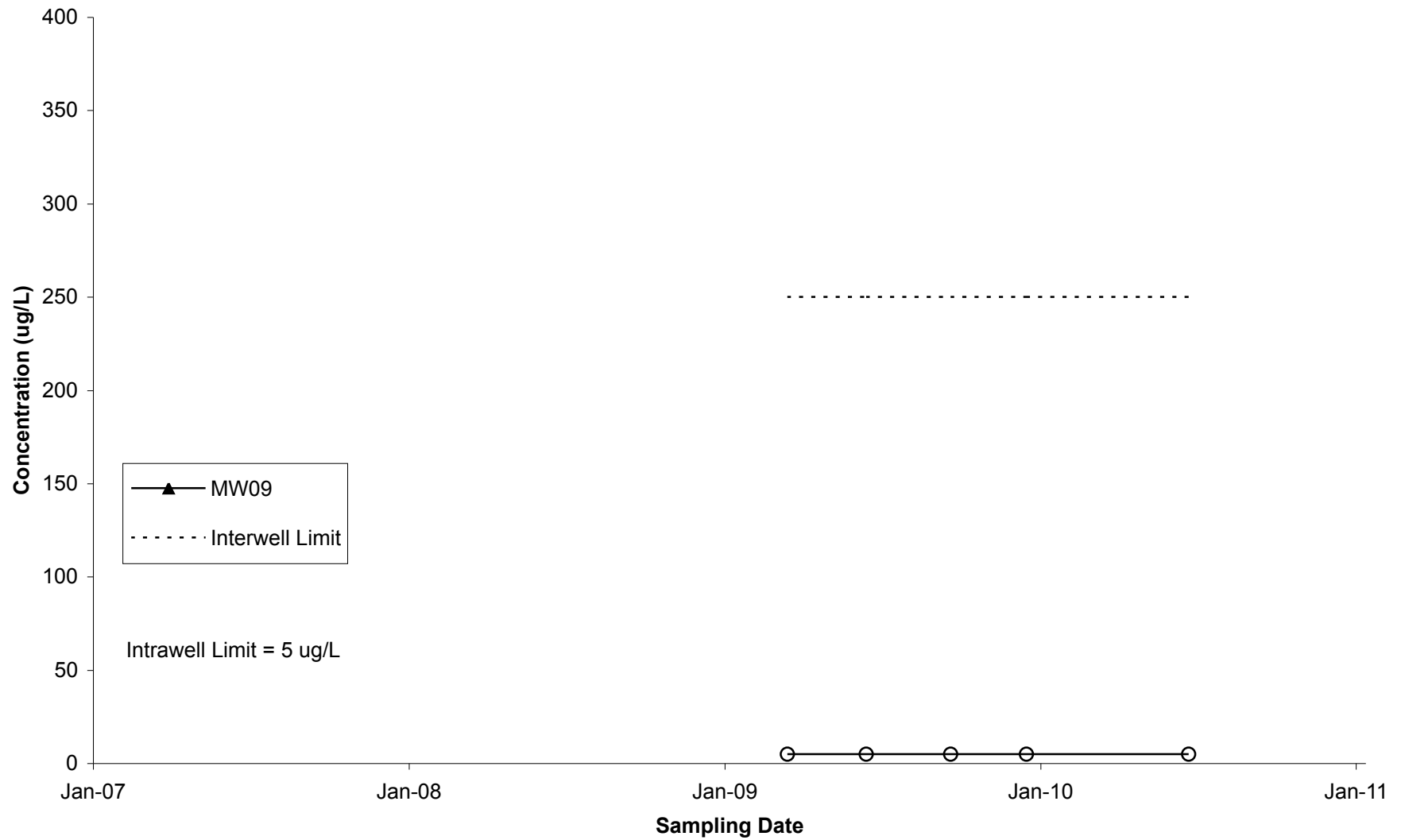


Note: Non-detects are marked with a clear circle.

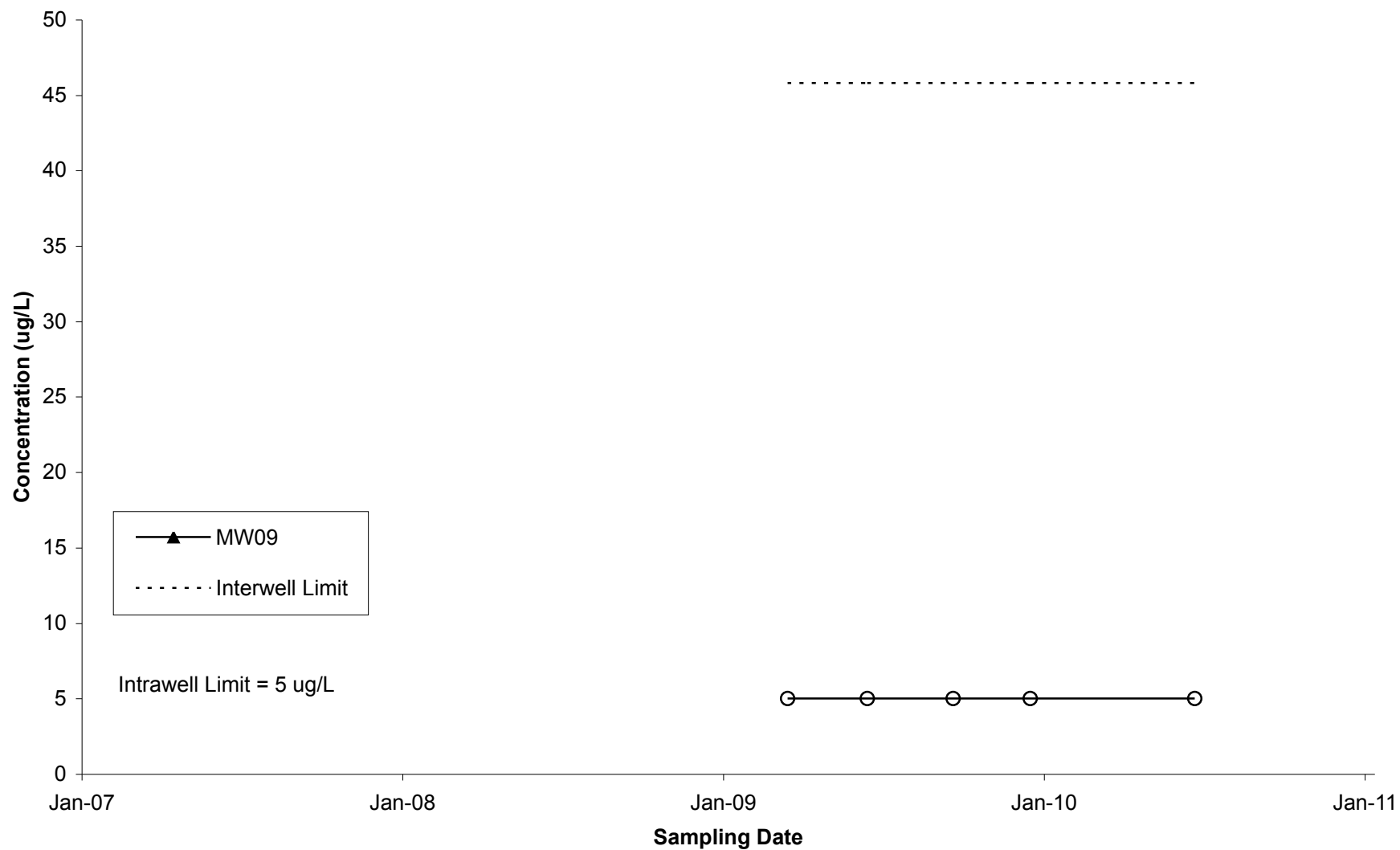


**cis-1,2-Dichloroethene in Well MW09
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.

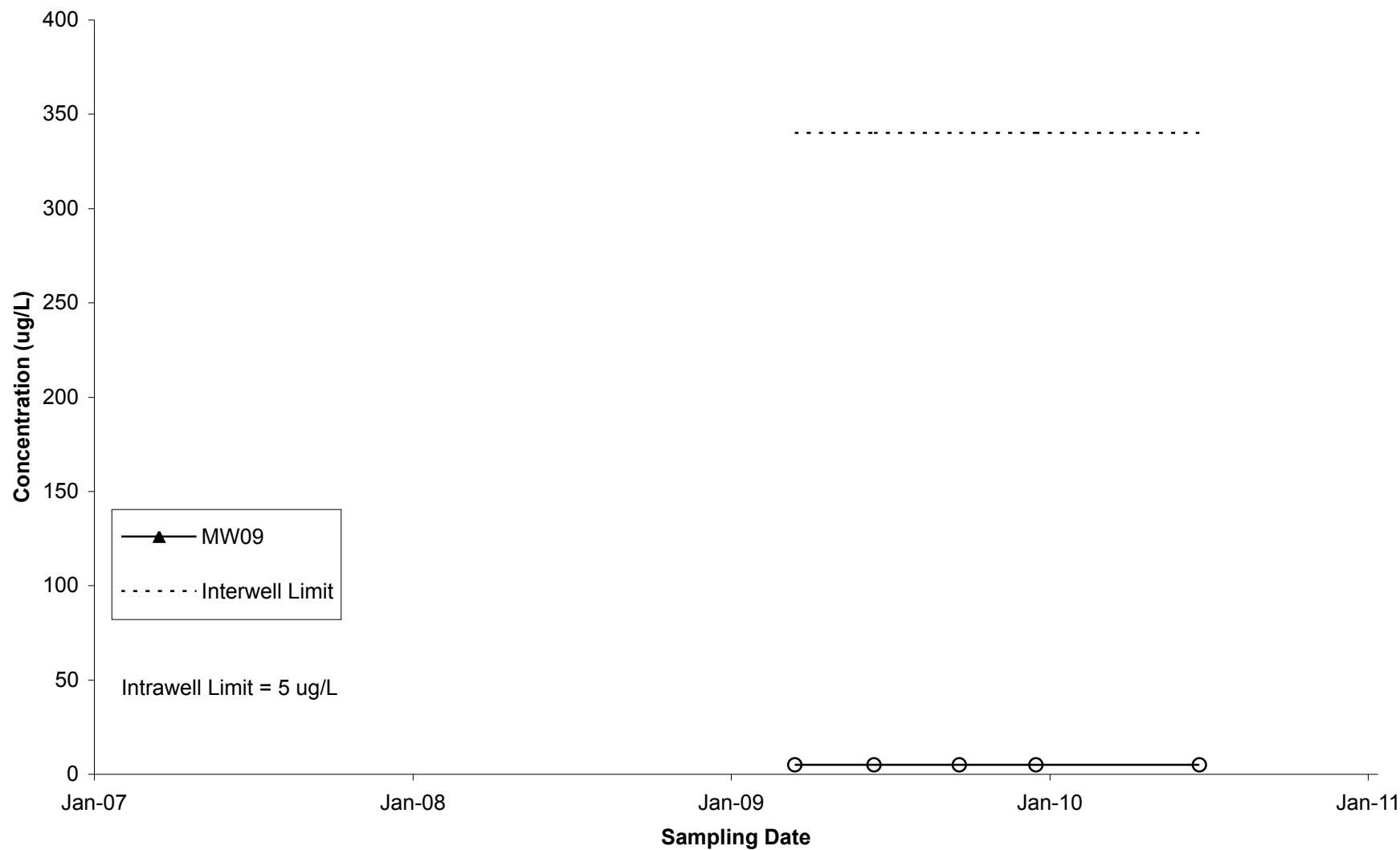


Note: Non-detects are marked with a clear circle.



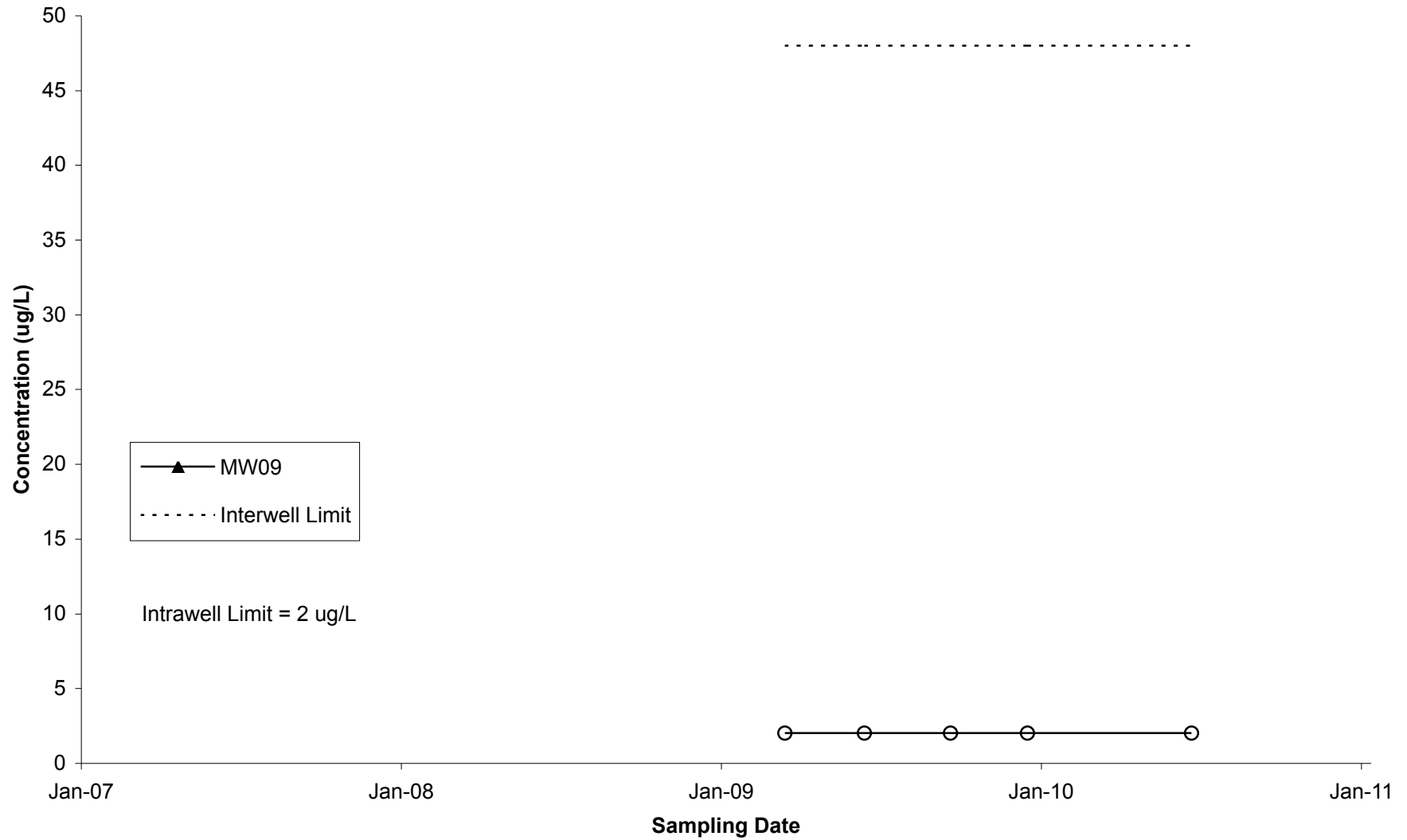
Trichloroethene in Well MW09 IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



**Vinyl Chloride in Well MW09
IPC/Roto-Rooter Landfill**

Note: Non-detects are
marked with a clear circle.



Data Validation Checklist

Date:	2/4/2010
Validator Name:	Mary Pearson (EIL)
Facility:	Interstate Pollution Control - Roto Rooter
Facility Location:	Rockford, Illinois
Event:	Dec-09
Laboratory:	TestAmerica - Chicago
Sampling Dates:	12/17/09 - 12/18/09
Laboratory Job No:	500-23216-1 (Analysis Batch 500-78136 and 500-78199)

Were the correct analytical methodologies used?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Were all samples analyzed within the VOC hold time (14 days)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Were contaminants detected in the associated laboratory blank(s)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>
Were contaminants detected in the associated trip blank(s)? Trip blank froze and broke in transit; therefore, unable to analyze	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Were contaminants detected in the associated field blank(s)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>
Were surrogate recoveries within the appropriate control ranges?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Were laboratory control spikes within the appropriate control ranges?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>

Acetone LCS/LCSD RPD outside control limit in analysis batch 500-78136 (Wells MW1, MW2, MW3, MW4, MW5, MW6, MW8, and Field Blank). LCS/LCSD RPD = 27%; Control Limit = <20%. Acetone was not detected in any of the associated samples.

Carbon tetrachloride was recovered above the control limits in the laboratory control spike associated with analysis batch 500-78199 (Well MW9).

Laboratory Control Standard (LCS) = 135%

Control Limits = 62% - 122%

Carbon tetrachloride was not detected in monitoring well MW9.

Were field duplicate samples within 20% relative percent difference of the primary samples for all tested analytes?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
---------------------------------------------------------------------------------------------------------------------	--------------------------------------------	--------------------------------	--------------------------------

Duplicate Sample Evaluation
December 2009
IPC Roto-Rooter Site

Parameter	Sample Date	Units	MW2	Qualifier	Duplicate	Qualifier	RPD
1,1,1-Trichloroethane	12/17/2009	ug/L	25		27		7.7%
1,1,2,2-Tetrachloroethane	12/17/2009	ug/L	5	U	5	U	0%
1,1,2-Trichloroethane	12/17/2009	ug/L	5	U	5	U	0%
1,1-Dichloroethane	12/17/2009	ug/L	5	U	5	U	0%
1,1-Dichloroethene	12/17/2009	ug/L	22		23		4.4%
1,2-Dichloroethane	12/17/2009	ug/L	5	U	5	U	0%
1,2-Dichloropropane	12/17/2009	ug/L	5	U	5	U	0%
2-Hexanone	12/17/2009	ug/L	20	U	20	U	0%
Acetone	12/17/2009	ug/L	20	U *	20	U *	0%
Benzene	12/17/2009	ug/L	5	U	5	U	0%
Bromodichloromethane	12/17/2009	ug/L	5	U	5	U	0%
Bromoform	12/17/2009	ug/L	5	U	5	U	0%
Bromomethane	12/17/2009	ug/L	5	U	5	U	0%
Carbon disulfide	12/17/2009	ug/L	5	U	5	U	0%
Carbon tetrachloride	12/17/2009	ug/L	5	U	5	U	0%
Chlorobenzene	12/17/2009	ug/L	5	U	5	U	0%
Chloroethane	12/17/2009	ug/L	5	U	5	U	0%
Chloroform	12/17/2009	ug/L	5	U	5	U	0%
Chloromethane	12/17/2009	ug/L	5	U	5	U	0%
cis-1,2-Dichloroethene	12/17/2009	ug/L	92		95		3.2%
cis-1,3-Dichloropropene	12/17/2009	ug/L	5	U	5	U	0%
Dibromochloromethane	12/17/2009	ug/L	5	U	5	U	0%
Ethylbenzene	12/17/2009	ug/L	5	U	5	U	0%
Methyl Ethyl Ketone	12/17/2009	ug/L	20	U	20	U	0%
methyl isobutyl ketone	12/17/2009	ug/L	20	U	20	U	0%
Methylene Chloride	12/17/2009	ug/L	10	U	10	U	0%
Styrene	12/17/2009	ug/L	5	U	5	U	0%
Tetrachloroethene	12/17/2009	ug/L	34		35		2.9%
Toluene	12/17/2009	ug/L	5	U	5	U	0%
trans-1,2-Dichloroethene	12/17/2009	ug/L	5	U	5	U	0%
trans-1,3-Dichloropropene	12/17/2009	ug/L	5	U	5	U	0%
Trichloroethene	12/17/2009	ug/L	210		200		4.9%
Vinyl chloride	12/17/2009	ug/L	2	U	2.1		4.9%
Xylenes, Total	12/17/2009	ug/L	5	U	5	U	0%

Blind field duplicate sample MW7 was collected from well MW2.

Qualifier U - Not Detected

* Laboratory Control Standards recovered above the acceptance limits.

Data Validation Checklist

Date:	7/6/2010
Validator Name:	Mary Pearson (EIL)
Facility:	Interstate Pollution Control - Roto Rooter
Facility Location:	Rockford, Illinois
Event:	Jun-10
Laboratory:	TestAmerica - Chicago
Sampling Dates:	6/24/2010
Laboratory Job No:	500-26320-1 (Analysis Batch 500-88631)

Were the correct analytical methodologies used?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Were all samples analyzed within the VOC hold time (14 days)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Were contaminants detected in the associated laboratory blank(s)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>
Were contaminants detected in the associated trip blank(s)? Laboratory did not analyze the trip blank as it was not noted on COC	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Were contaminants detected in the associated field blank(s)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>
Were surrogate recoveries within the appropriate control ranges?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Were laboratory control spikes within the appropriate control ranges?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Were field duplicate samples within 20% relative percent difference of the primary samples for all tested analytes?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>

Duplicate Sample Evaluation
June 2010
IPC Roto-Rooter Site

Parameter	Sample Date	Units	MW1	Qualifier	Duplicate	Qualifier	RPD
1,1,1-Trichloroethane	6/24/2010	ug/L	5	U	5		0%
1,1,2,2-Tetrachloroethane	6/24/2010	ug/L	5	U	5	U	0%
1,1,2-Trichloroethane	6/24/2010	ug/L	5	U	5	U	0%
1,1-Dichloroethane	6/24/2010	ug/L	16		16		0%
1,1-Dichloroethene	6/24/2010	ug/L	11		11		0%
1,2-Dichloroethane	6/24/2010	ug/L	5	U	5	U	0%
1,2-Dichloropropane	6/24/2010	ug/L	5	U	5	U	0%
2-Hexanone	6/24/2010	ug/L	20	U	20	U	0%
Acetone	6/24/2010	ug/L	20	U	20	U	0%
Benzene	6/24/2010	ug/L	5	U	5	U	0%
Bromodichloromethane	6/24/2010	ug/L	5	U	5	U	0%
Bromoform	6/24/2010	ug/L	5	U	5	U	0%
Bromomethane	6/24/2010	ug/L	5	U	5	U	0%
Carbon disulfide	6/24/2010	ug/L	5	U	5	U	0%
Carbon tetrachloride	6/24/2010	ug/L	5	U	5	U	0%
Chlorobenzene	6/24/2010	ug/L	5	U	5	U	0%
Chloroethane	6/24/2010	ug/L	5	U	5	U	0%
Chloroform	6/24/2010	ug/L	5	U	5	U	0%
Chloromethane	6/24/2010	ug/L	5	U	5	U	0%
cis-1,2-Dichloroethene	6/24/2010	ug/L	130		150		14.3%
cis-1,3-Dichloropropene	6/24/2010	ug/L	5	U	5	U	0%
Dibromochloromethane	6/24/2010	ug/L	5	U	5	U	0%
Ethylbenzene	6/24/2010	ug/L	5	U	5	U	0%
Methyl Ethyl Ketone	6/24/2010	ug/L	20	U	20	U	0%
methyl isobutyl ketone	6/24/2010	ug/L	20	U	20	U	0%
Methylene Chloride	6/24/2010	ug/L	10	U	10	U	0%
Styrene	6/24/2010	ug/L	5	U	5	U	0%
Tetrachloroethene	6/24/2010	ug/L	5	U	5	U	0%
Toluene	6/24/2010	ug/L	5	U	5	U	0%
trans-1,2-Dichloroethene	6/24/2010	ug/L	5	U	5	U	0%
trans-1,3-Dichloropropene	6/24/2010	ug/L	5	U	5	U	0%
Trichloroethene	6/24/2010	ug/L	20		19		5.1%
Vinyl chloride	6/24/2010	ug/L	16		16		0%
Xylenes, Total	6/24/2010	ug/L	5	U	5	U	0%

Blind field duplicate sample MW7 was collected from well MW1.

Qualifier U - Not Detected

Data Validation Checklist

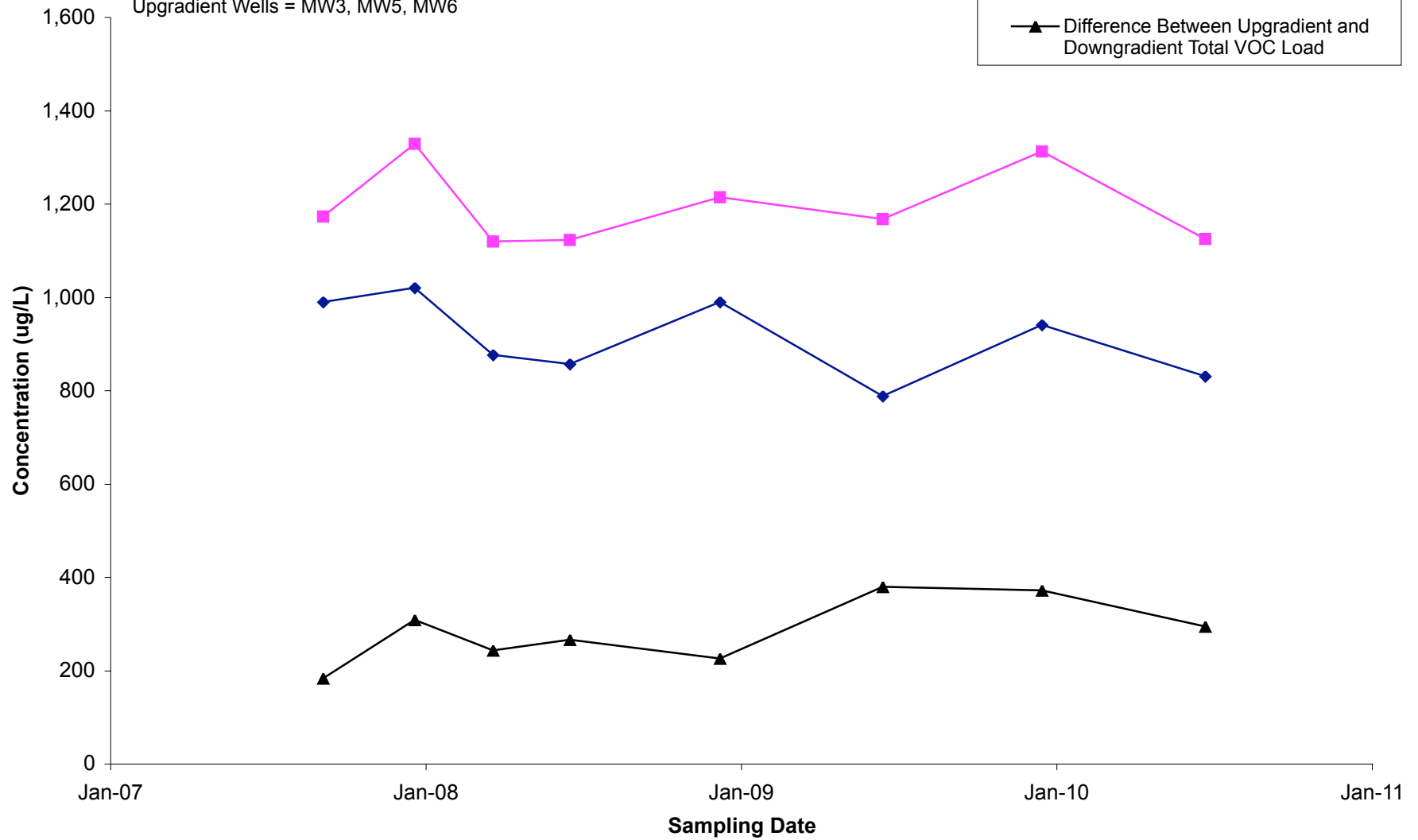
Date:	7/23/2010
Validator Name:	Mary Pearson (EIL)
Facility:	Interstate Pollution Control - Roto Rooter
Facility Location:	Rockford, Illinois
Event:	June 2010 Resample
Laboratory:	TestAmerica - Chicago
Sampling Dates:	7/9/2010
Laboratory Job No:	500-26593-1 (Analysis Batch 500-89591)

	Yes	No	NA
Were the correct analytical methodologies used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were all samples analyzed within the VOC hold time (14 days)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were contaminants detected in the associated laboratory blank(s)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Were contaminants detected in the associated trip blank(s)? A trip blank was not collected for this re-sample event.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Were contaminants detected in the associated field blank(s)? A field blank was not collected for this re-sample event.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Were surrogate recoveries within the appropriate control ranges?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were laboratory control spikes within the appropriate control ranges?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were field duplicate samples within 20% relative percent difference of the primary samples for all tested analytes? A field duplicate was not collected for this re-sample event. The MS/MSD collected at well MW1 for this resample was acceptable.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

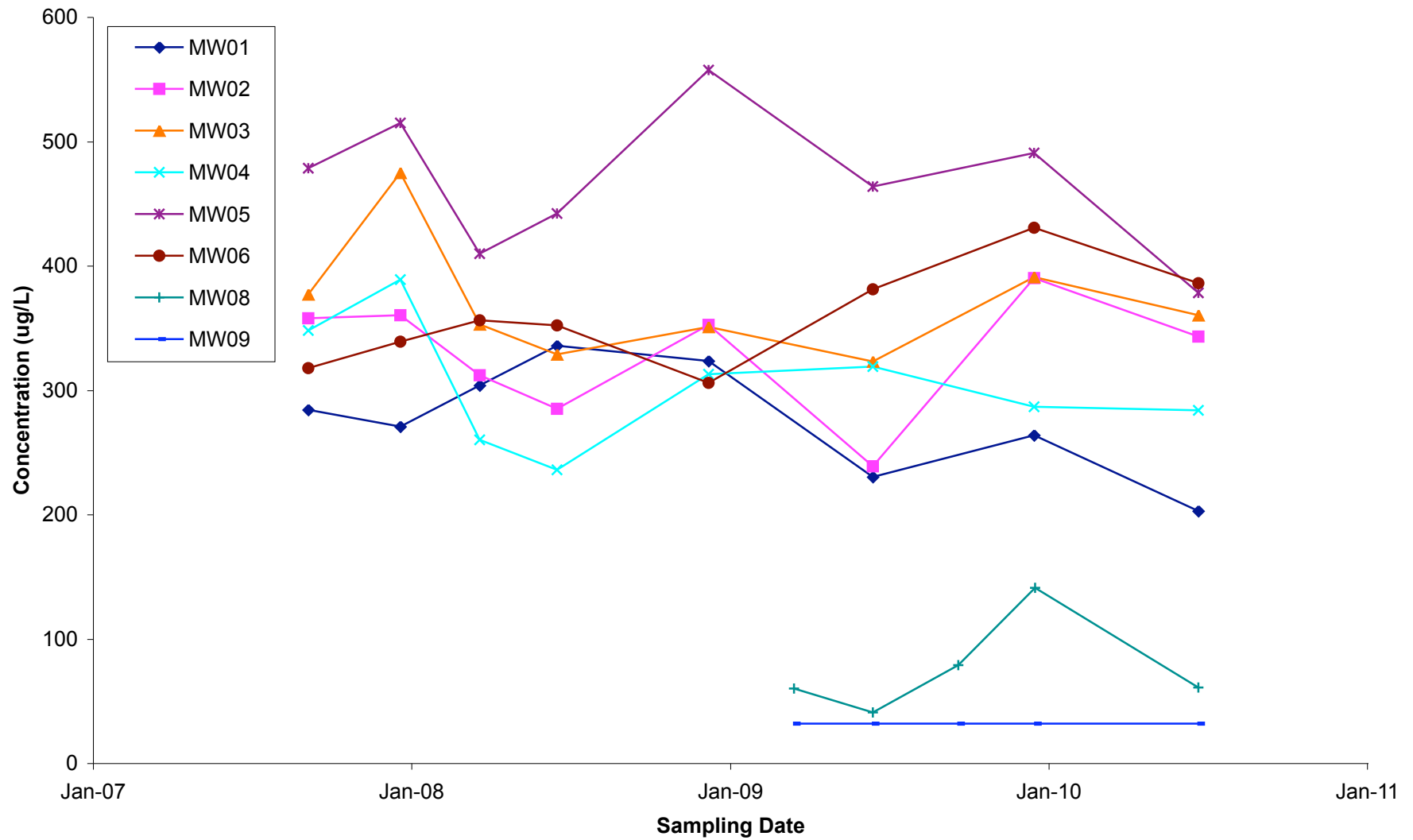
Total VOCs IPC/Roto-Rooter Landfill

Downgradient Wells = MW1, MW2, MW4

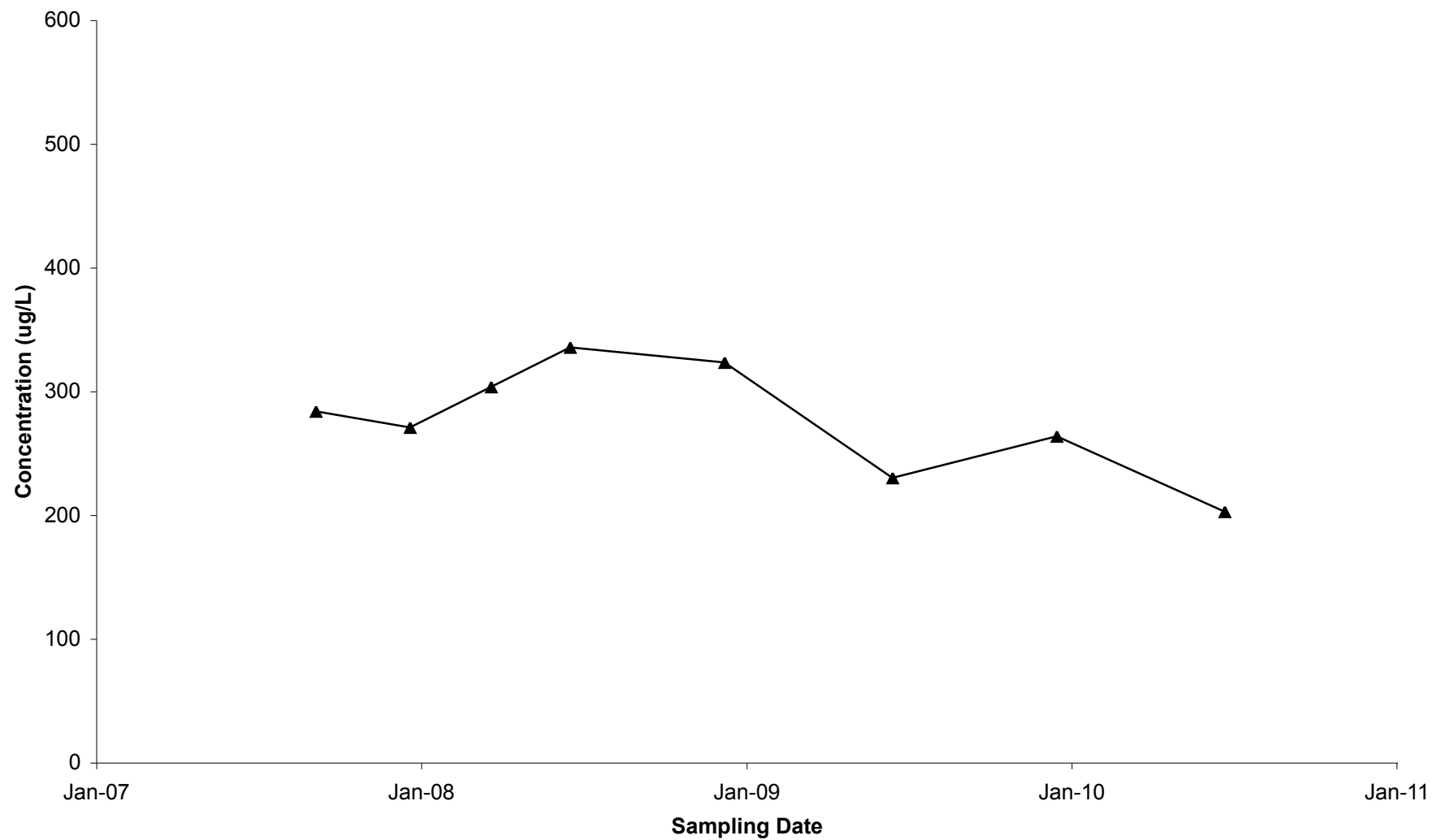
Upgradient Wells = MW3, MW5, MW6



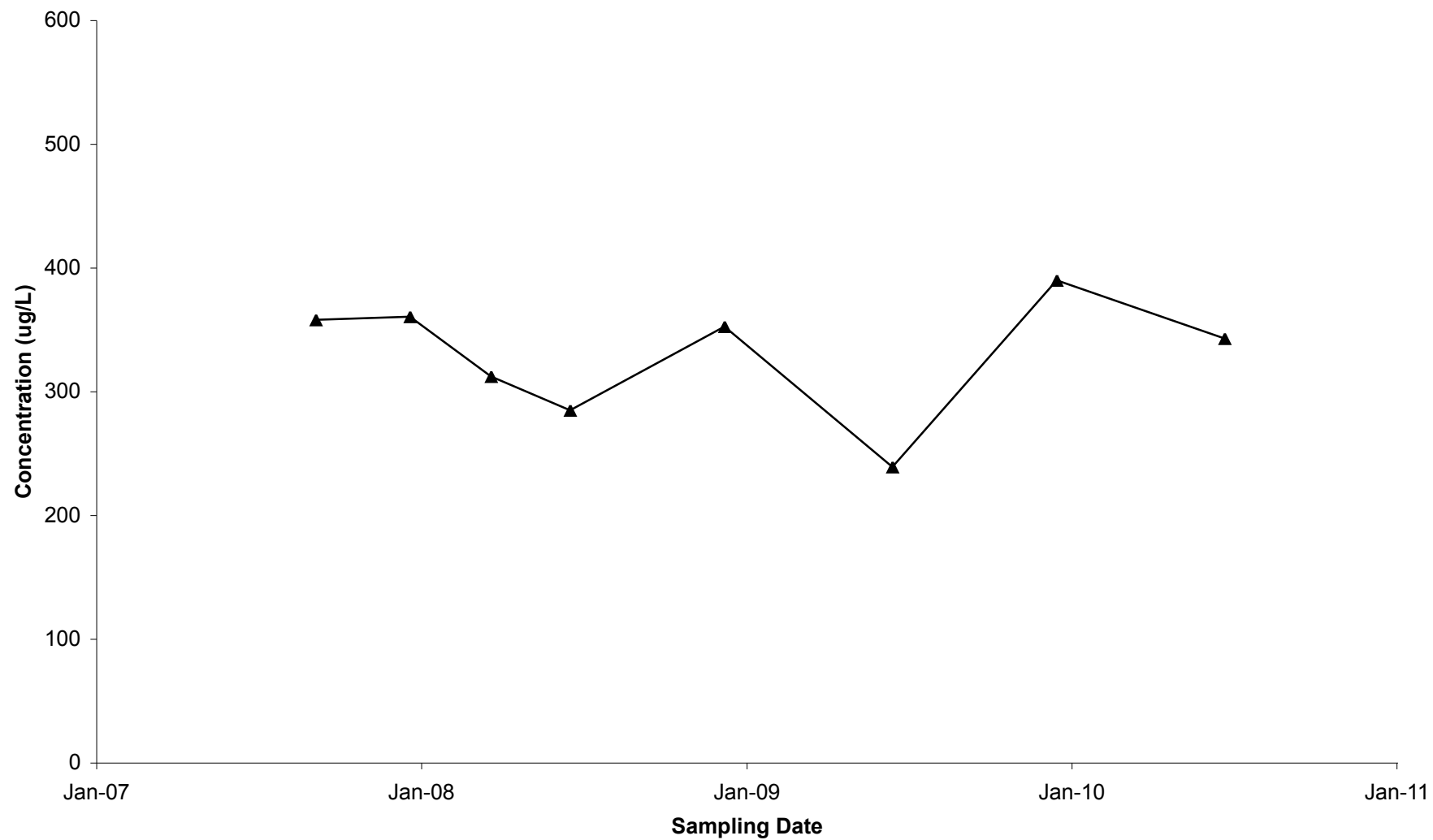
**Total VOCs in Select Wells
IPC/Roto-Rooter Landfill**



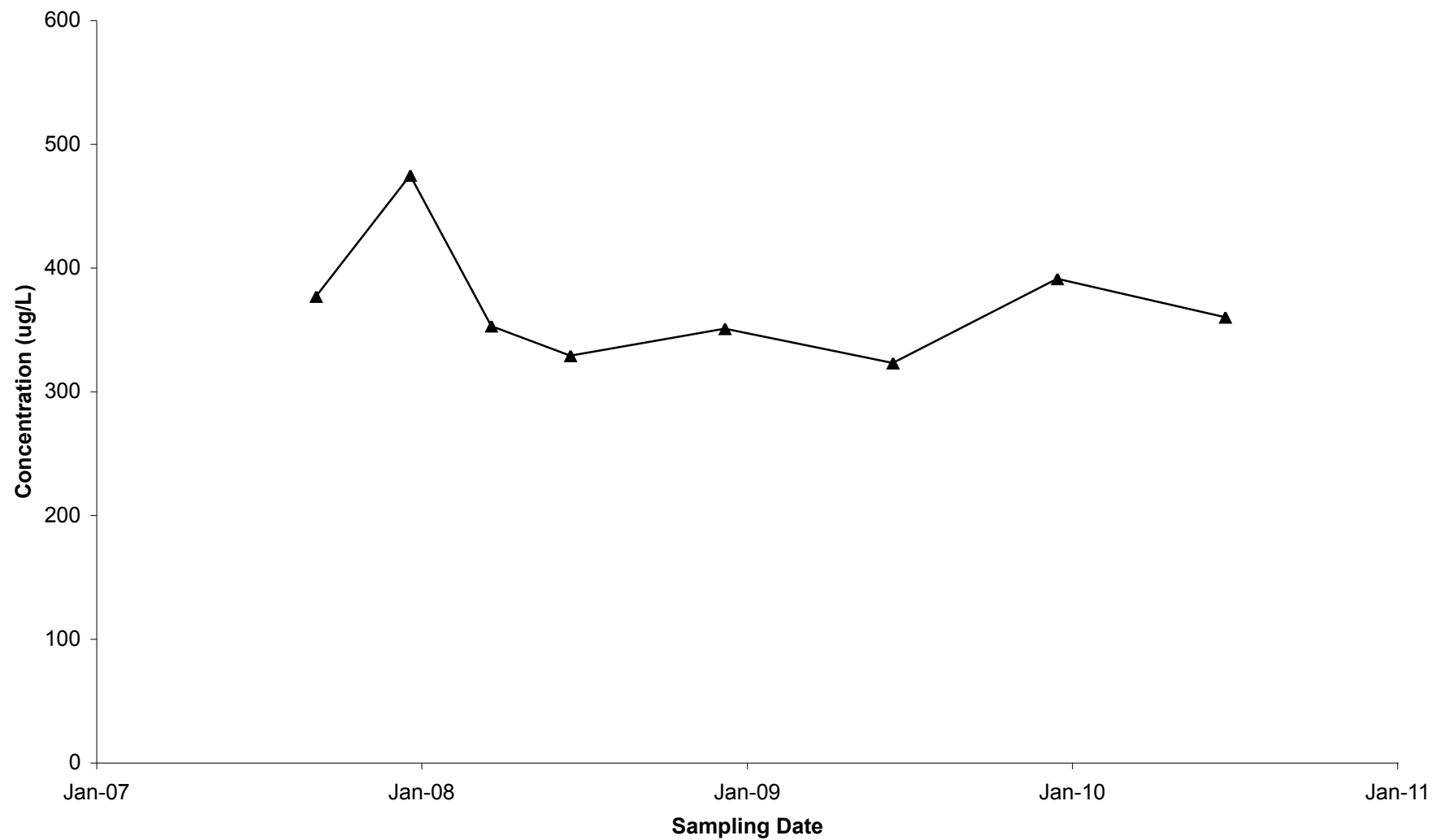
**Total VOCs in Well MW01
IPC/Roto-Rooter Landfill**



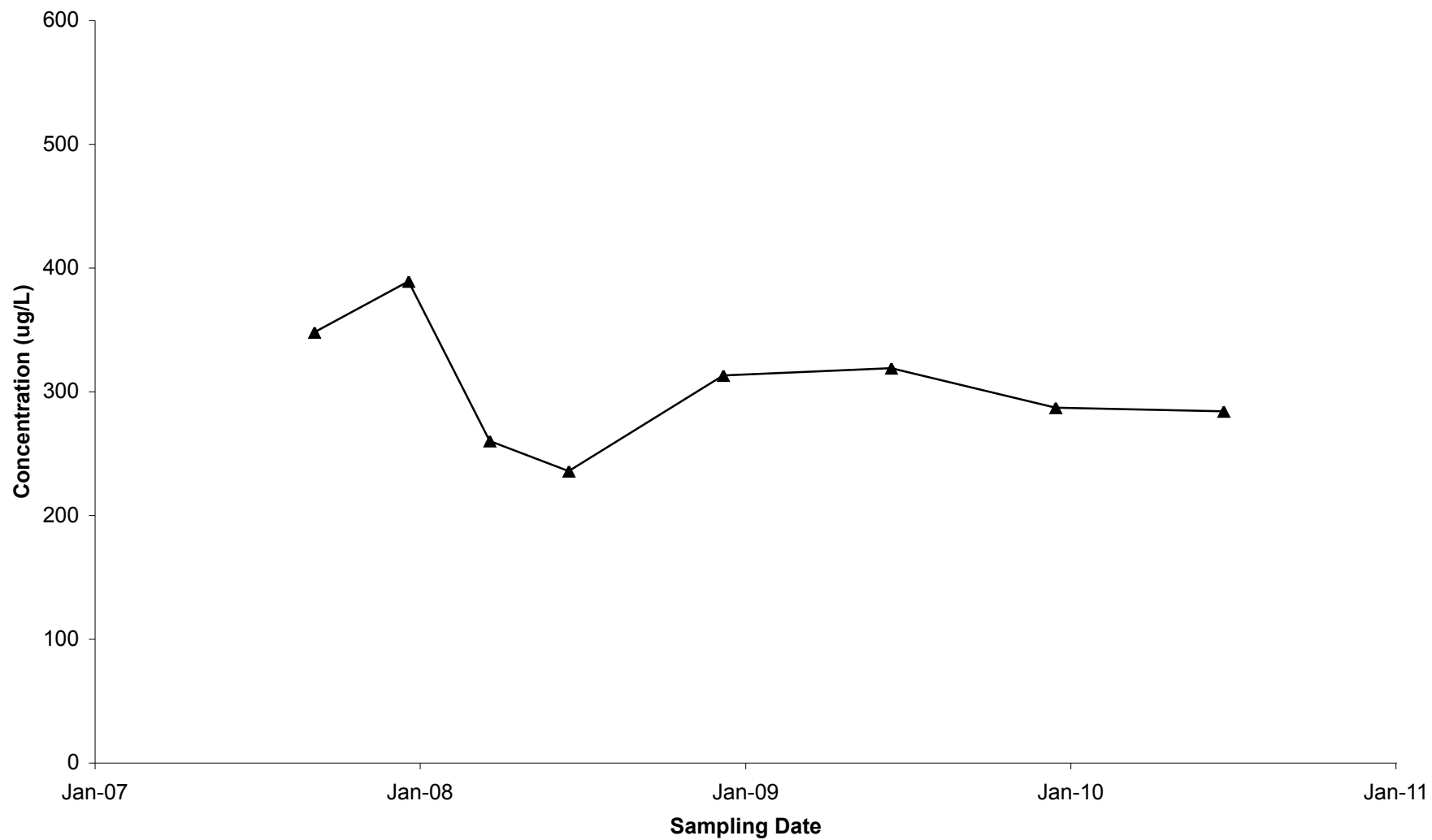
**Total VOCs in Well MW02
IPC/Roto-Rooter Landfill**



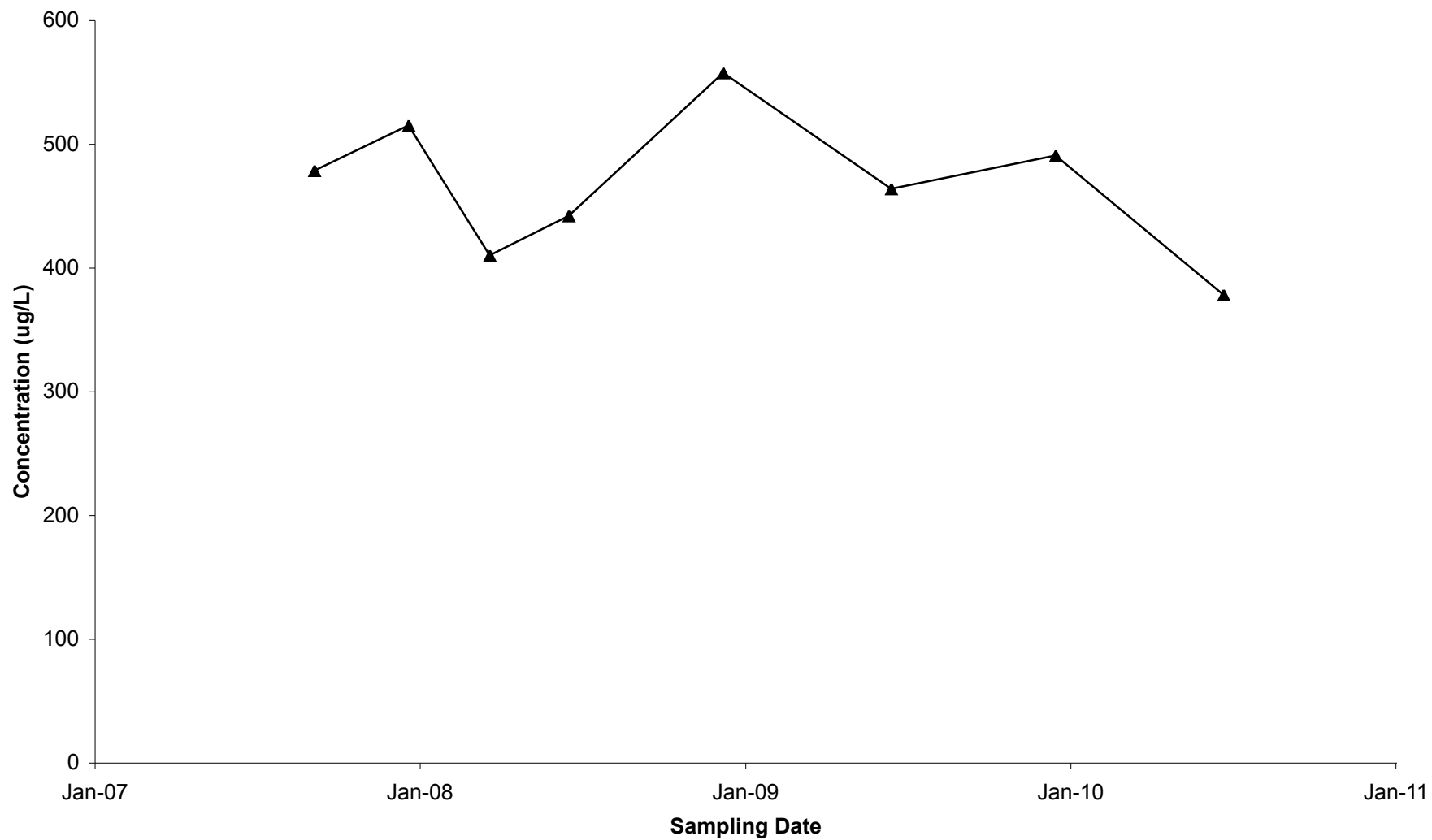
**Total VOCs in Well MW03
IPC/Roto-Rooter Landfill**



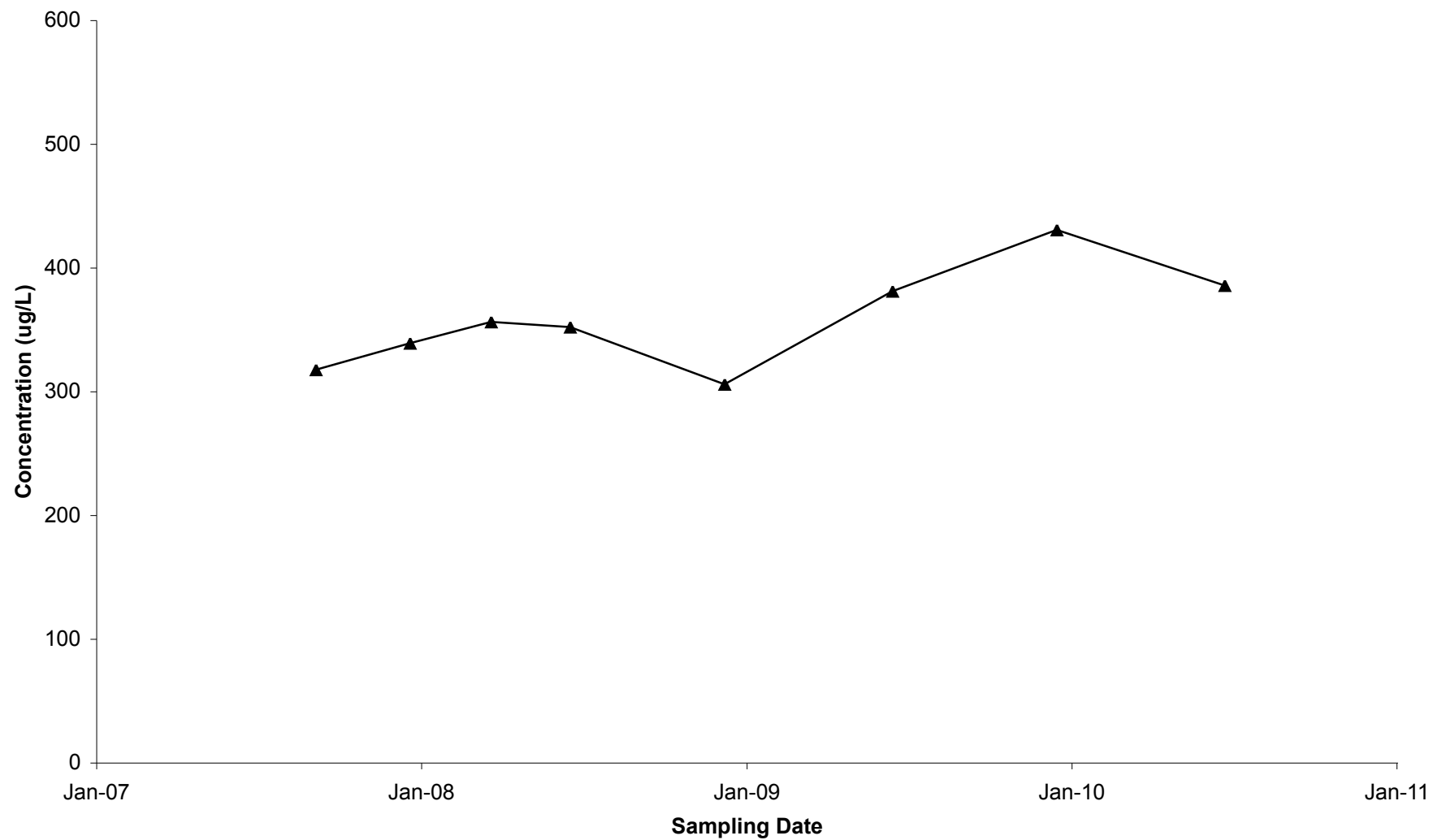
**Total VOCs in Well MW04
IPC/Roto-Rooter Landfill**



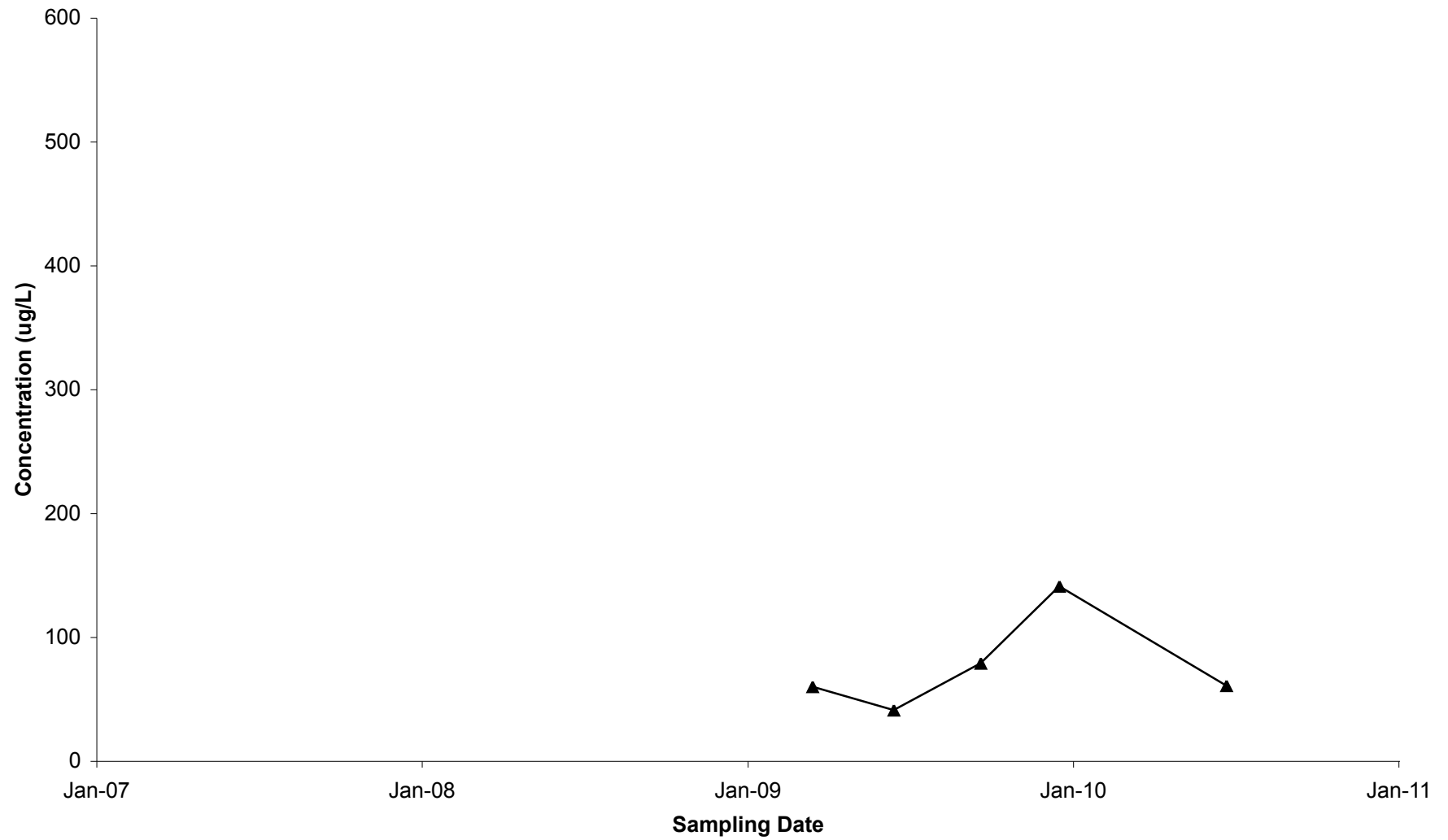
**Total VOCs in Well MW05
IPC/Roto-Rooter Landfill**



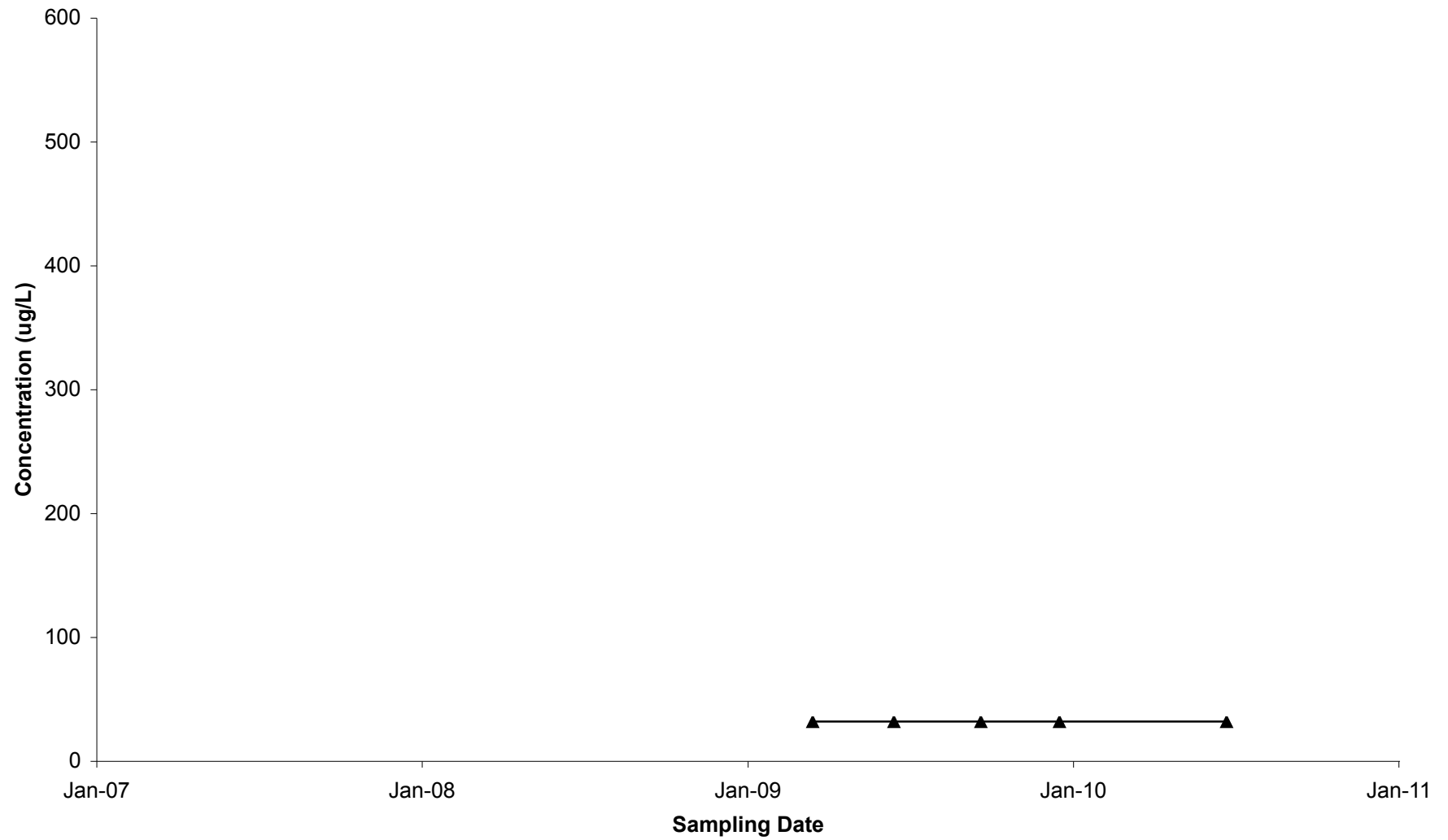
**Total VOCs in Well MW06
IPC/Roto-Rooter Landfill**



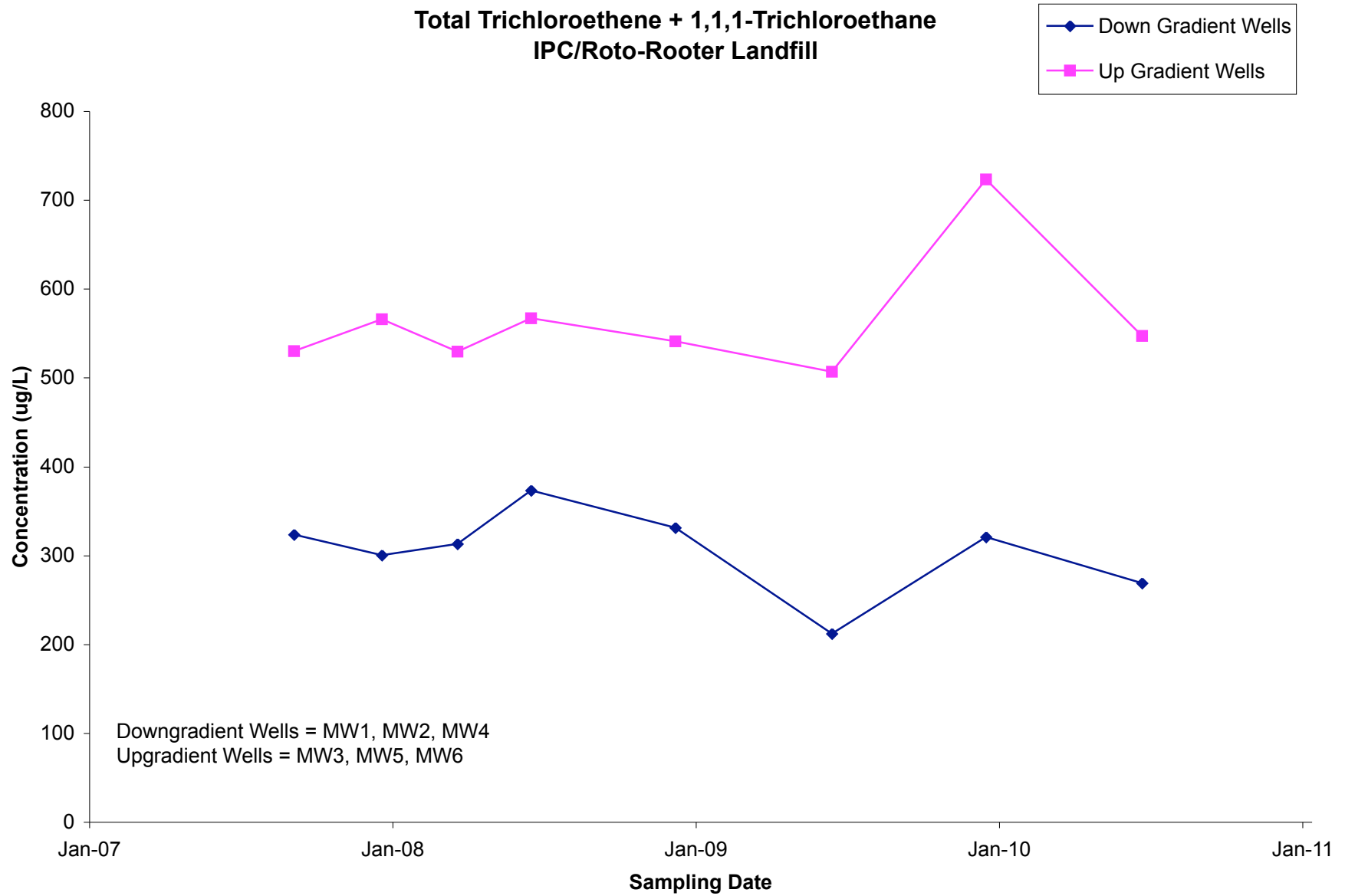
**Total VOCs in Well MW08
IPC/Roto-Rooter Landfill**



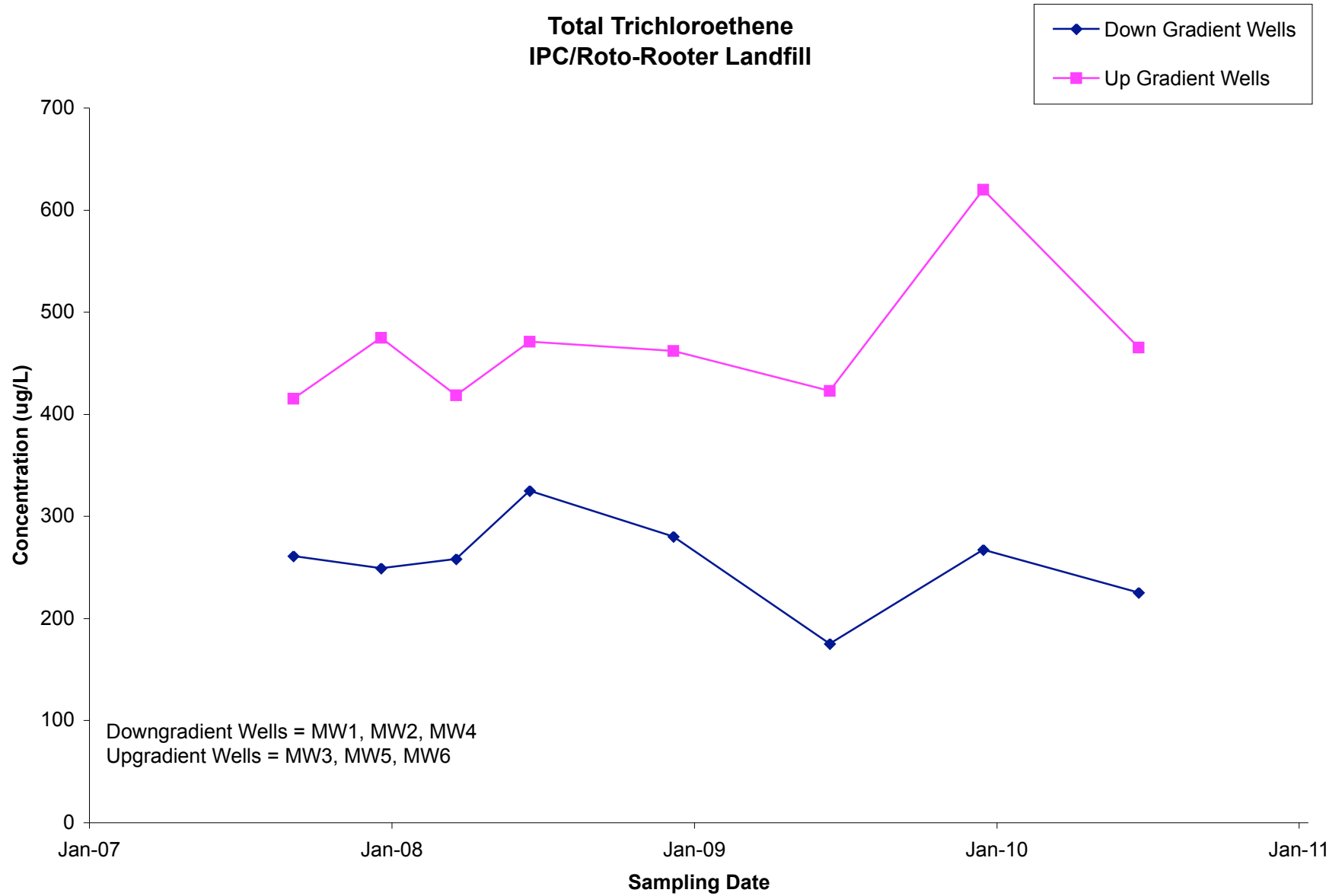
**Total VOCs in Well MW09
IPC/Roto-Rooter Landfill**



**Total Trichloroethene + 1,1,1-Trichloroethane
IPC/Roto-Rooter Landfill**



**Total Trichloroethene
IPC/Roto-Rooter Landfill**



**Total 1,1,1-Trichloroethane
IPC/Roto-Rooter Landfill**

